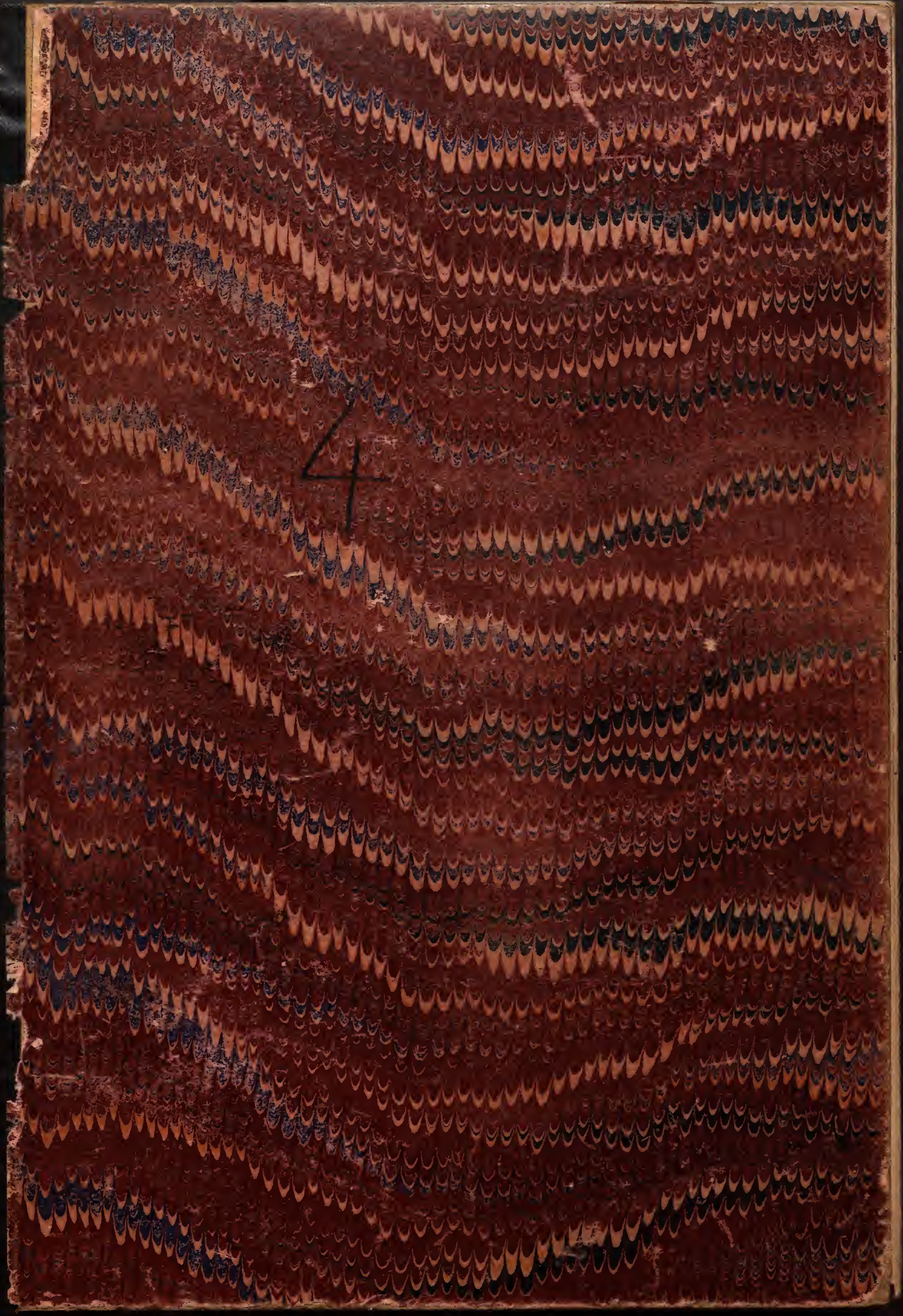

4

SHOUT
SHARE
IT

DIARY OF
INSECTS &c., CHIEFLY
HYMENOPTERA

Collected by A.W. Stelfox

1931 - 1932.

Vol. 4.

3.

3rd May 1931. A windy day, cold, & practically no sun in morning, Steve Lowe!

The Dingle, Co. Dublin. 10-30 till noon.
Looking for Dolerus liogaster but none seen as no sun.
Bombus lucorum & agrorum a very few ♀♀.
Andrena albicans, nigroaenea & jacobi a few ♂♂ of each seen & 1 ♀ nigroaenea on roadside.
[NB. In museum from 2 till 5 pm.]
Cuckoo heard!

8th May 1931. A fine afternoon but not much sun.
Marsh at Enniskerry, between up. & low. roads, Co. Wi.
2-30 till 4.0 pm. Very little out.
Andrena gwynana ♀ on dandelion
A. jacobi & albicans ♂♂.
Nomada marshamella ♂♂ & ♀♀ very fresh common
N. bifida 1 fresh ♀.
✓ RCLP. in litt. 6.4.32.
Amauronematus sagmarius ♀ } Beaten out of
Pontania ? ♂ } Salix cinerea.
Two small ichn. & two Braconids also beaten off S. cin.
Dolerus [illegible] ?? 1♂.
[illegible]

8/5/31 cont. The Dingle, Co. Dl. 4.0 till 5.0 pm.
Some sun, but little out.
Dineura sp. taken in car on arrival.
[Dolerus: none seen at all]
Bombus muscorum 1 fresh ♀, lucorum & agrorum ♀♀ — rare.
Andrena albicans & jacobi ♂♂.
Nomada marshamella common on ♀ Salix.

10th May 1931. A warm dull, rainy day, with no sun till 7pm.
Drove to Ballylusk, Wl. Here stayed from noon till 2pm. With A.A. Lisney.
Bombus lucorum a few ♀♀ in woods at Vaccinium.
Vespa rufa & norvegica ♀♀ in woods at Vaccinium.
[Nomada marshamella ♂ at Killadreenan glen clinging to reed of rush. A.A.L.]

Two ichn. & two braconids, on birch with small [illegible]
on oak.
Pontania ? ♂
Nematus ?? ♂ on birch.

[Also a small braconid & a ♀ ich. in nets at Shankill, Co. Dl.]

11th & 12th} May, 1931 Garden at Mayfield, Harold's Cross, Dl. Pimpla turionellae ? 4 ♂♂ Pimpla instigator 1♂
Andrena jacobi ♂. Cryptus ? sp. 1♂. Angitia sp.?

14th May 1931. (Glen of the Downs, (sandpit at south end!), Co. Wl.) A showery day: with some sun!
Andrena jacobi ♂♂ & ♀♀. A. albicans ♂♂.
A. ~~subopaca ♀~~ ; minutula (1st brood).
Nomada marshamella common.

15th May 1931. Garden at Mayfield Harold's Cross, Dl.
Pimpla turionellae ? ♀.
Thrinax macula ♀ on fern.

17th May 1931. A fine day with hot sun & some clouds.
Sandpit at Esker, Lucan, Co. Dl.
10-30 till 12-30 noon.
Bombus terrestris ♀. B. lucorum ♀ (George!)
B. muscorum 1♀. B. agrorum ♀♀ 1 or 2, B. derhamellus ♀ on white clover
~~Ban~~ Andrena albicans ♂♂ & 1♀. A. jacobi ♂♂.
A. wilkella ♂♂, very fresh. A. subopaca ♂ ?
Halictus rubicundus ♀♀. H. albipes & calceatus & tumulorum ♀♀.
H. leucopus ♀.
Sphecodes divisus, monilicornis(!) & affinis (?) ♀♀
Nomada lepida 1♂, very fresh. N. marshamella abundant.

Dolerus oblongus ♂ / haematodes ♂ v. large! } one each; R.C.L.P. agrees! 2 ♂♂ by Griffeen River.
Rhogogaster aucupariae ♂♂ & ♀♀ on nettles. Empria sp. ♂. See RCLP's letter of 6.4.32.
Hoplocampa pectoralis ♀ ✓RCLP. beaten off the only bit of hawthorn in flower! out
Sigalphus (? caudatus) ♂ ~~[illegible]~~ ♂♂ abundant on elm, & :
no ich. – Angitia ? on Dacnusa ? on braconid ?

17/5/31. Knockmaroon, Co. Du. 12.45 till 1.15 pm.
Andrena nigroaenea many fresh ♀♀.
Tenthredopsis coquebertii ? fresh ♀ on grass.

Catoglyptus fortipes 2♂♂.
One Braconid ? Meteorus.

18th May 1931. Garden at Mayfield, Harold's Cross, Du.
Andrena jacobi very dark ♀.
Pimpla turionellae ? ♂ & ♀ Mesoleius sp ♂.

20th May 1931. A fine sunny day!
Stayed previous night at Donaghadee & in afternoon walked from Stranmillis to 3rd lock on Lagan Canal & back, Co. Antrim.
Andrena jacobi ♀♀ abundant nesting in river bank.
Nomada marshamella also seen. H.B. taken

20.5.31.
Pimpla turionellae ? ♂
Barichneumon ♂.
Nomada marshamella ♂
taken in garden at Harold's Cross, in evening!

24th May 1931. A blustery day, mild, & a good deal of sun, but wind & heavy showers about 2 pm. spoiled collecting. All Co. Meath!
Drove to Trim, via ~~Dunboyne~~ Clonee; then back via the Abbey bridge below Trim, Bective & Ballinter Bridge to Navan & home. Stopped on way to Trim at marsh by the Tolka, N of Clonee, Co. ME., = 1, next at old sandpit on right hand side of road near Crosskeys = 2; Abbey Bridge below Trim = 3, Ballinter Bridge = 4, road home from Navan = 5.

24/5/31 cont. Trim, &c cont.
Roadside near Batterstown = 1A and flowers of Viburnum Lantana by roadside near Ballinter Ho. = 4A.

Bombus not more than 6 or 8 seen all day & no B. lucorum.
B. derhamellus 1♀ at 2, B. agrorum several ♀♀ at 2 & 4.
B. terrestris 1♀ at 4.
Andrena albicans ♀♀ at 2 & 4. A. nigroaenea ♀♀.
A. jacobi ♂♂ & ♀♀ at 2. A. wilkella ♂♂ at 2 & 4.
A. sericea ♂♂ at 2. A. saundersella ♂♂ & subopaca ♀♀
Halictus rubicundus, calceatus, albipes, freygessneri 1♀, ♂♂ ~~♀♀~~ at 2.
tumulorum, leucopus & nitidiusculus ♀♀ at 1A, and 2.
Sphecodes monilicornis 1♀ at 2.
Nomada marshamella & goodeniana common at 2.
N. lepida 1♀ at 2. N. flavoguttata 2♂♂ (small) at 2.
Salius fuscus 2♀♀ at 2.

Tenthredella temula 1♂ on flowers of Anthriscus sylvestris at 1A.
Tenthredo arcuata 1♀ on flowers of V. Lantana at 4A.
Dolerus aeneus ? 1♂ at 1A. D. niger ? 1 very small ♂ at [illegible]
Rhogogaster aucupariae ♂ at 1
Empria ♂♂ on Salix by river Tolka at 1 (See R.C.L.P.'s letter of 6.4.1932).
Empria ♀♂♂ (? var. of liturata. R.C.L.P. in litt. of 6.4.32) at 4. P.T.O.

6.)

24/5/31 cont. Trim, &c, Co. Meath.

Arge ciliaris 1 ♂ on flower head of Anthriscus sylvestris by field at S.W. corner of Abbey bridge (= 3) one mile below Trim. Looked like a Dolerus until I saw it at home!

Pteronidea myosotidis ♂ at 4.

Melanichneumon saturatorius? ♀ on nettles at 3.

Ichneumon suspiciosus ♀ at 2.

Catoglyptus fortipes at 2.

Diaparsis sp. (or Thersilochus) at 4.

Mesoleius ♀ at 2.

24.5.31. Evening (late aft.). Garden at 14 Clareville Rd, Harold's Cross, Dublin
Thrinax macula ♀. Hemiteles? ♂. Nemeritis? ♀.

26/5/31. Mesoleius sp. ♂ taken in garden at 14 Clareville Rd, Harold's Cross, Dublin, in evening. Odynerus pictus ♂ seen for first time 1931. Also ♀ Andrena albicans.

(7.

27th May 1931. A glorious morning after a very fine day, but turning dull in afternoon & thunder & rain at night.

Afternoon 3 till 5.30 pm. No sun after 3.15 & insects just disappearing when I arrived!

Deerpark, Powerscourt Co. Wi. (gate to sawmill)

Andrena ~~[illegible]~~ jacobi v. scotica (small), first ♀ beaten out of maple (in flower).

Ischnoceros filicornis 2 ♀♀ (one very large, one small) at logs. Bombus agrorum & lucorum, ♀ each seen.

Homocidus abdominator? ♀ beaten out of spruce in "marsh of the logs".

"Hemiteles"? ♀ beaten out of spruce? (or oak).

[Cryptus ♀ taken in motor on way through Dundrum, Dub.]

Dolerus bimaculatus ♂♂ & 1 ♀. D. gessneri ♂♂
These all sent to R. B. Benson of B.M.
D. gessneri ♂♂ beaten out of spruce.

Loderus vestigialis ♂ of dark var. sent to Benson.

Selandria serva? 1 ♂ in marsh

(All, except those beaten, taken during the few minutes before the sun went for good!)

Many beetles collected for E. O'Mahony including:—
Hylecoetus

[First Homocidus (pictus ♂ var.? without white markings!) seen in garden, Harold's Cross, Dublin, on this date.] [Also a ♀ + 6 ♂ Mesoleius? Crabro leucostomus in garden about this date!]

31st May 1931. A dull day, E-SE wind, with drizzly rain at intervals till 2 p.m. & no sun till on return journey! With Palmer. Drove to Athy & then south to Ardreigh, Tankardstown Bridge, down Queen's Co. side of river to Maganey, then to Carlow & back to Ardreigh & home via Athy.

1 = sandpit opposite Ardreigh House. } Co. Kildare.
2 = sandpit (overgrown) S.E. of Farmhill }
3 = right bank of river at Tankardstown Bridge, Q.Co.
4 = roadside S. of Maganey, field & marsh near Barrow, KD
5 = railway N. of Carlow, Co. CW. – these not separated when being labelled & so all marked [Athy, etc. Co. KD.]
6 = field near Spring House, S.E. of Farmhill, KD.
7 = gravel pit, 1 mile E. of Athy.
8 = roadside, field-banks & sandpit, near Walterstown between Kilcullen & Naas, Co. KD.

Bombus lucorum several ♀♀ seen during day.
B. terrestris 1 fresh out on hawthorn at 8.
B. lapidarius 1 ♀ at 1. B. derhamellus ♀♀ frequent at 1, 4 & 5.
B. muscorum 1 ♀ at 5. B. agrorum ♀♀ frequent.
Andrena nigroaenea ♂♂ at 7 & 8. A. albicans ♀♀ at 8.
A. wilkella ♂♂ at 8. A. subopaca ♀ at 6 [? also at 8].
A. fucata ♂♂ at 8.

[Promethes pulchellus ♀ taken in motor near Crumlin, Co. Dub. on return journey 31.5.31. A.W.S.']

31/5/31 cont. Athy district: Cont.
Halictus rubicundus, calceatus, albipes, freygessneri, nitidiusculus, leucopus, a few ♀♀ at 8.
H. ♀ at 6 (Palmer).
Nomada marshamella, goodeniana & (? ruficornis ~~rufipes~~) at 8.

Crabro dimidiatus 1 at 5 (Palmer).

Tenthredella livida, black ♀ at ~~4~~ (Palmer).
T. temula ♂♂ & ♀♀ at 4 & 8. T. ferruginea ♀♀ at 6 beaten out of hawthorn.
T. mesomelas 1 ♂ seen at 1.
Tenthredopsis spp. ♂♂ frequent at 1, 2, 3, 4 & 7.
2 ♀♀ taken at 7.
Dolerus niger 1 ♀ at 1. D. haematodes 1 ♂ in marsh at 4.
Loderus palmatus black ♂ at 1. Pachyprotasis rapae ♂ at 5.
[Empria ♀ ("probably the longicornis auct. Brit.") & Monophadnus geniculatus, in marsh at 3 at the S.W. corner of bridge, the only species taken in Queen's Co.!]
Pteronidea myosotidis ♂. Beaten off hawthorn at 6. 6

[illegible] sp ? ? ♂ at 4
Glypta bicornis ? ♀ on gorse at 8. Hemiteles bicolorius ? ♀ at 6 (beating)
Most other ich. at 1. Cratichneumon ♂♂ at 1 & 4
Catoglyptus fortipes frequent at 1, 2, 4 & 5. Mesoleptus 2 ♂♂ in marsh at 4.
Anomalid ♀ at Hawthorn at 6. Cryptid ♀ at 5, [illegible] longiceps at 4.

~~4th~~ 3rd June 1931. Very hot & humid, much v. hot sun in aft. after a very wet week.

Powerscourt demesne, Co. Wi. Slopes up to & sandpit on plateau, just above Tinnehinch gate. 3.30 till 5-30 pm.

Bombus lapidarius ♀. B. lucorum ♀♀ & 1 ☿ on Sycamore (MDS).
B. agrorum ♀. B. derhamellus ♀.
B. hortorum ♀♀ on Comfrey.
Psithyrus campestris, v. black; Ps. barbutellus & distinctus [1♀ each.
Andrena nigroaenea ♀♀. A. wilkella ♂♂.
A. fucata ♂♂. A. ~~[illegible]~~ fucata var. with dark tarsi, 1♂ near gate, by avenue.
A. albicans ♀♀. A. sub-opaca? ♂ in sand pit.
A. cineraria ♂ & ♀♀ in sandpit.
Halictus tumulorum, leucopus, rubicundus, calceatus, albipes & freygessneri, all in sand pit.
Sphecodes divisus very large ♀♀. Sph. hyalinatus? ♀♀, common.
Sph. affinis, very small form, ♀♀. All in ~~sand~~ pit.
Nomada marshamella, ruficornis, bifida & flavoguttata ♀♀ all in sand-pit.
Pompilus gibbus on slopes & in sandpit; ♂♂ & ♀♀.

Athalia (♂♂ seen) ♀.
Tenthredella temula ♂ seen at hawthorn by avenue.

~~4~~ 3/6/31 cont. Powerscourt cont.
Cratichneumon ♂♂ at oak.
A. gryphon ♂ at oak
Sphecophaga vesparum ♀♀ frequent near sandpit.

M.D.S. & boys saw a Painted Lady butterfly by avenue.

7th June '31. A warm, very showery day & only some patches of sun. Morning (in Museum in aft.)
Drove through terrific rain to Bray (there no rain) & worked sandy cliff at Vallambrosa, Co. Dub = 1
Then to marsh opposite chapel at Kilmacanogue Co. Wi. = 2 & Rocky Valley Co. Wi. at W. end = 3. Very little sun!
Bombus agrorum ♀♀, very few, at 1 & 3. B. muscorum ♀ at 3.
B. lapidarius ♀ at 3.
Andrena wilkella ♂♂ at 1 & 3. A. cineraria ♂♂ & ♀♀ at 3.
A. saundersella? stylopized ♀ at 1.
Halictus rubicundus, tumulorum, leucopus, freygessneri & albipes ♀♀ at 3.
1 ♀ on flowers of gorse!
Sphecodes affinis ♀♀ at 3, on Bellis.

7/6/31 cont. Bray (Vallambrosa), Kilmacanoge & Rocky Valley cont.
Nomada marshamella common at 3. N. goodeniana 1♀ at 3.
N. flavoguttata, ♂ on Bellis at 3 (given to Palmer).

Abia sericea, 1♂ swept in marsh at 2.
Tenthredopsis ♂♂ at 1.
Selandria flavens 2♂♂ at 2.
S. stramineipes ♀ on bracken at 3.
Dolerus nigratus ♂ at 2.
Alomyia debellator red ♂ at 2.
Zootrophus inspirator ♂♂ in marsh between roads at 3.
Promethes cognatus ✓ 1 ♂ at 2.
Pimpla nigrescens ~~[illegible]~~? var of ♀ with long terebra, on rushes at 3.
Catoglyptus fortipes ♂ at 1.
Hemiteles ♀ long terebra at 2, at hawthorn.

Cephus pallidipes ♂ ♀♀ at 2.

10th June 1931. Afternoon: very stormy (S), hot, with drizzle, only a little sun, except on way home. 3.30 till 5.0 pm. Right bank of R. Liffey, Co. Wi. just above Burgage Bridge, S. of Blessington. Most insects beaten or picked off hawthorn, but practically no insects owing to gale. With Palmer.
Andrena sericea 1♀ on Dandelion (Palmer).
A. wilkella, very fresh ♀ on hawthorn.
Tenthredopsis ♂♂, 1 dark ♀ + 3 brown ♀♀ on hawthorn.

Tenthredella temula, 1♂ seen on hawthorn.
T. mesomelas ♀ on lilac flowers in hedge near road.
Dolerus gessneri 2♀♀ beaten off spruce & hawthorn.
D. picipes 1♀.

All labelled
~~Burgage~~ King's River
Co. Wi. A.W.S.
10.7.31.
forgotten & omitted!

Catoglyptus fortipes 1♀ on grass.
Hemiteles spp. ♂ & ♀ on hawthorn.
Stenomacrus ♀ on hawthorn.
Promethes cognatus ✓ ♂♀ on hawthorn.
Attractodes tenebricosus ? on hawthorn

Andrena sericea ♀♀ and Humming-bird Hawk Moth seen ~~in garden~~ at ~~[illegible]~~ Rathmore — KD

12th June 1931. A fine warm evening after a dull day.
Spent an hour in garden, 14 Clareville Rd., collecting.
Crabro varius ♂♂. Seen for first time this season.
Pemphredon lethifer 1.
Odynerus pictus 1♂, probably the same one seen for several days.
Vespa germanica 1♀ seen.
Bombus lucorum ☿☿ seen at Erica mediterranea, Viola & Raspberry flowers. Also running on wall.
B. agrorum 1♀.
Pteronidea ribesii 1♀ on white currant.
Tenthredopsis ♂ seen: a black form.
Mesoleius

Homocidus tarsatorius 1♀. H. pictus 1♀.
~~Promethes~~ [illegible] Homocidus signatus var. ~~and~~ ♂.
Clystopyga incitator 1♂.

Humming-bird Hawk moth seen in garden at Aubretia.

14th June 1931. A wet day!
Drove to Coan, Glen of Imaal, Co. Wi. & climbed Lugnaquillia, via N. Prison. Beat ♂ & ♀ Rhogogaster viridis off Salix aurita by Little Slaney, & swept ♀ Strongylogaster lineata off Bracken, ~~by~~ at Coan. A ♀ Pieris napi taken on summit plateau at 3,000 ft. by one of the party. Party consisted of J.A.S. Stendall, Nora Fisher, Alex. Davison, of Belfast, Dr. L.O.S. & Mr. Smyth, J.P. Brunker, & A.G.J. Palmer & self.
Heavy mist & rain all day, except at start!

16th June 1931. Took ♂ Odynerus trimarginatus in garden, 5.30 pm., 14 Clareville Rd.

17th June 1931. A showery afternoon with very high wind & falling temperature, but considerable hot sun! 2-30 till 3-30 pm. Channel at foot of the Scalp, Cos. Wi & Du [mostly taken on Wi side of the stream & all labelled Wi.
Bombus agrorum a few ♀ & 1☿ seen. No other Bumbles!!!
Halictus many common spp. on Daisies on old road including H. freygessneri

17/6/31 cont. The Scalp, Co. Wi. cont.

Andrena subopaca ♀

Nomada ruficornis & marshamella common on daisies.

Tenthredella atra ♀. Dolerus picipes ♀

Selandria stramineipes ♀. ✓ RCLP.

Strongylogaster lineata ♀ ovipositing on bracken.

Glypta "similis" ♂

Bassus [illegible] "ericoni" ♂ (broken & destroyed).

Promethes pulchellus ♂

Exochus ♂.

Euphorus pallidipes ? ♀.

Aphidius sp.

17/6/31 cont. Enniskerry Glen (Glensink), Co. Wi.
3-30 till 5.30 pm.

Bombus hortorum 1 fresh ♀ seen. B. agrorum one or two ♀♀

Psithyrus distinctus 1 fresh ♂ in woods. A most remarkably early record, especially for a year when almost all the Bumbles have been exterminated & practically no ♀♀ seen up till this date.

17/6/31 cont. Enniskerry Glen cont.

Andrena fucata 1 small ♀. A. subopaca ♀ on Sanicula

Nomada ruficornis ♀ on Sanicula.

Athalia cordata ♂.

Selandria stramineipes ♀ ✓ RCLP.

Tomostethus dubius ♀ of type.

Pachyprotasis antennata ♂.

Amblyteles oratorius ♂

Chorinaeus cristator (♂?)

Pimpla [illegible] dentata ? ♀ very large. P. turionellae 2 ♂♂.

P. maculator small ♀.

Catoglyptus fortipes ♂.

Ichneumon deliratorius ? ♂.

Brought home 6 small bored stumps from marsh from which hatched out

Phidias aciculatus ♂♂ on 26/6/31 & 27/6/31.

Spathius ! ♂♂ on 26/6/31 & 29/6/31.

{ Returned with Palmer to Enniskerry Glen about ~~28th June~~ & brought home more sticks, from some of which hatched one more ♂ Phidias, & a few Spathius, during July; and 4 ♀♀ of Disogmus areolator Hal. late in Sept. 1931.

19th June 1931. Evening of a poor day! 8 pm.

Taken on Ellis's lilac tree overhanging garden of
14 Clareville Rd., Rathgar, Co. Dub.

Orthocentrus, [illegible] 2 ♂♂ & 1 ♀ ? { 2 ♂♂ of 1 sp.
1 ♂ (testaceous) of another sp.

[illegible] ♂ & ♀ of [illegible] sp.

21st June 1931. A fine day, very warm, sunny, with strong westerly wind. The first fine Sunday for many weeks!

10.30 till 12.30 noon. S. side of Bray Head, Co. Wicklow, along old railway.

Not many insects out, no doubt owing to bad weather previously. Many Painted Ladies & some Hel. peltigera, very worn, from the recent immigration.

Andrena nigroaenea ♂♂ & ♀♀ numerous in same place, where I saw ♂♂ on 9.4.31.

A. subopaca ♀♀.

Halictus rubicundus, villosulus (common), nitidiusculus & tumulorum ♀♀.

Sphecodes divisus & affinis, 1 ♀ each.

Nomada marshamella & goodeniana both common, all ♀♀.

Pemphredon shuckardi ♀.

Platylabus dimidiatus ♂. Astiphromma strenuum ? 1 ♀.

21/6/31 cont. S. side of Bray Head cont.

[Mesochorus ♀ & another sp. (Cryptid) taken in car near Greystones!]

23/6/31 Evening 7 till 9 pm., with Palmer.

Drove to central lodge (late Brady's) Glenasmole, Dub. to watch Rhyssa persuasoria ♀ boring in trellis on footbridge & paling by lower reservoir.

During the early part of the boring process the ovipositor has the sheaths held in position & all three seem to be gripped between the mid coxae: later when the drill has entered the wood the sheaths are drawn away & the ovipositor has no support from the coxae.

See sketch

Many ♂♂ & ♀♀ seen
though reported by
Palmer & Westropp some
weeks previously!

P.T.O.

23/6/31 cont. Glenasmole, Du. cont.
Many larvae beaten off Salix cinerea, Populus serotina & a few from Betulus, including one large larva of ? Trichiosoma. From the poplar I collected a lot of mines made by sawfly larvae?

Along edge of Upper Reservoir I took several ichs. & sawflies & some also beaten off Salix on upper dam.
Tenthredo livida ♂ seen. T. mesomela seen.
Tenthredopsis 3 ☿☿, one nearly black, one black & red & the third toffee-coloured, all beaten of Salix.
Ichneumon pilicornis 2 ♀♀: one on paling by lower reservoir where Palmer took Rhagium bifasciatum & one on bramble by upper reservoir.
Meniscus murinus 1 ♀ on bramble by upper reservoir.

Bombus lucorum ♀♀ & ☿☿ frequent.

24th June 1931. A fine afternoon (anti-cyclone) after a wet night & dull morning: cool, with strong E. wind, but all sunny. Not much out & very little seen in deerpark.

Powerscourt, Co. Wl. Lower end of deerpark = 1
Slopes on & at bank of river just below deerpark = 2.
Bombus agrorum & hortorum ♀♀ seen.
Andrena fucata ♂♂ & ♀♀ at 2. A. lapponica 1 ♂ at 2.
A. subopaca ♀♀ at 2.
Nomada flavoguttata a ♀ at 2.
{Various common Halicti seen at 1 & 2.
Gorytes mystaceus ♀ at 2.
Nysson spinosus ♂ at same place.
Tenthredella mesomela at 2.
Dolerus bimaculatus ♂♂ & ♀♀ at 1. D. gessneri ♀♀ at 1.
D. picipes ♀ at 1. D. niger 1 ♀.
Trichiotus at stump at 1.
Homocidus fissorius ♀? at 1 or 2.
Alomyia debellator, red ♂ at 2.
Red Tipulids mostly in marsh at 1

25th June 1931. Bombus lucorum ♂ seen on Thyme in front garden, the Clareville Rd. - Dul.

26th June 1931. Oedematopsis scabricola ♀ taken in garden

28th June 1931. A perfect day, after misty morning! Drove to Coan, Glen of Imaal & ascended with Lugnaquillia via Little Slaney. G. W. Palmers. Stopped in Merginstown Glen en route where took Acrodactyla degener ♀, only: = 1.

Stopped again 10-30 till 11.0 AM at bridge over Slaney at Davidstown = labelled "Glen of Imaal: 18"

Then drove on to Coan & collected for two hours up the Little Slaney to about ½ mile above the old military reservoir = "~~Glen of Imaal~~: 3" Coan G.W.I. AWS. = No. 3.

Then climbed up slope of Lug to near summit & examined Salix herbacea for sawflies, but none seen & dropped into N. Prison, saw Parsley Fern & came out at bottom. Here, on cliff of N. Prison took 2 Tryphonids & on floor of Prison by old lake site 1 large Tryphonid & small [illegible] off [illegible] rocks & also saw Dolerus aeneus = "Lug." ~~Glen of Imaal~~: 4"

On descent & after tea again collected by Little Slaney close to road at 6 to 7.30 pm. = ~~Glen of Imaal~~: 5" Coan. 5.

28.6.31 cont. - Glen of Imaal & Lug cont.

Bombus agrorum only 1 ♀, seen at 3, all day.

B. lucorum 1 ♀ reported by George from 3, 1 ♀ seen near 2 in evening on Snowberry flowers in hedge.

Andrena albicans 1 ♀ on willow catkin seen by Palmer at 2.

A. fucata ♀♀ at 3 & 5. A. fucata var. with almost dark hind tarsi ~~[illegible]~~, 1 ♂ high up at 3.

A. subopaca ♀♀ common at 3 & 5.

A. cineraria ♂♂ & ♀♀ in colony at 5.

Halictus calceatus abundant at 3 & 5. H. albipes ♀ at 3.

Nomada bifida very red & fresh ♀♀ at 5.

N. fabriciana fresh ♀♀ at 3 & 5 near ford but no sign of a possible host! N. flavoguttata ♂♂ & ♀♀ at 3 & 5.

Odynerus pictus 1 ♂ at 5.

Tenthredella livida seen!

Tenthredella atra ♀ at 3. T. balteata ♀. T. mesomelas ♀

Rhogogaster viridis ♂♂ & ♀♀ very common at 3.

Dolerus aeneus 1 ♀ at 5.

Tenthredopsis ♂♂ at 3.

Selandria serva ♀ at 2. Tom. luteiventris ♀♀ at 2 & 3.

Strongylogaster delicatulus ♂ seen at 5.

24.

28.6.31 cont. Glen of Imaal & Lug. cont.

Pimpla [illegible] ? ♀ at 3. P. maculator small dark ♀ at 2.

Glypta elongator ♀ with dark femora & banded tibiae & ceratites ♂♂ at 2.

" similis ♂♂ & 1 ♀ at Salix at 3.

Homocidus brevicornis ? ♂♂ at Salix aurita at 2 below reservoir on left bank.

Acrodactyla degener 1 ♀ on bramble (near bridge) in Morganstown Glen = 1.

[illegible] ♀ ♀ at 3. = I think Erromenus punctulatus ? AWS Jan. 1932.

Large ? ♂ Tryphonid (? 6 discoidal) [illegible] in N. Prison [illegible] at 2.

Small ich. in same place = Promethes dorsalis ♀

♀ Tryphonid near top of cliff, South of Prison ? 2,700 ft (Perilissus [illegible])

Tryphonid same place but ca. 2400 ft.

[illegible] at 3.

Red Campoplegid ♂♂ & ♀ in marsh at 2.

[illegible] ? ♂ at 2. Mesoleius [illegible] ♀

Stilpnus ?? at 2.

Chorinaeus [illegible] ♂ at 2.

[illegible] at 2.

[illegible] at 3.

25.

1st July 1931. A fine afternoon with good sun till 4 pm but then quite dull.

2.30 till 4 pm. field just N. of Glen of the Downs (in front & below hotel!) Co. Wl. = 1 where a fine stump of tree, long seen but not before examined.

4 till 5.30 pm. Stumps & fields at foot of Glen of the Downs on Delgany - Kilpedder road, Wl. = 2.

Bombus agrorum several ♀♀ seen. B. lucorum ♀ seen.

Halictis several ♀♀ seen, like albipes.

Prosopis pallipes ♂♂ & ♀♀. } Both abundant at the
Trypoxylon clavicerum ♂♂. } big stump at 1.

Odynerus sinuatus ♂♂ & ♀♀ with last & seen to enter hole in the stump. O. ~~[illegible]~~ parietinus ! ♂ at 1.

Pemphredon shuckardi 1 at 2.

Bethylus fuscicornis 1 on birch tree (with borings) at 2.

Crabro dimidiatus ♂ ~~[illegible]~~ & Gorytes mystaceus ♀ near 1. but labelled "2".

Tenthredella livida ♂ at 1.

Selandria stramineipes ♀ at 1. ✓RCLP.

Dyspetes praerogator 1 ♂ at 1. Chorinaeus 3 at 1. } ? ♂ & 2 ♀♀ of 6 cristator

Triclistus at 2.

Perilissus spilonotus ?? at 2. [illegible] ? ♂ [illegible].

[On evening of 2nd Jul. Palmer & I brought home more bored stumps from Enniskerry glen & from these emerged Phidias aciculatus ♂ on 7.7.31 & [illegible] ♂ on 7.7.31; & later in Sept. 31 several ♀♀ of the Proctotrypid Disogmus areolator Hal.]

4th July 1931. First Megachile (willughbiella ♂) seen in garden at 14 Clareville Rd. in evening. Also Currant Clearwing!

5th July 1931. A wet morning, fine forenoon, but afternoon again wet, with thunder & heavy rain.
Cloghleague Glen =1, & Athdown =2, Co. Wi.
11AM till 1pm. Considerable sun, windy!

"Cloghleagh" on 1" Ord Map

Bombus jonellus & agrorum ☿☿ on raspberry at 2.
Andrena tarsata & coitana ♂♂, abundant & nesting in old road up glen at 1.
A. subopaca or saundersella ♀♀ seen at 1.
A. wilkella 1 ♀ at 1
Nomada flavoguttata {1♂ ♀♀ at 1. } ~~N. obtusifrons 1♂ at 1.~~ N. obtusifrons 1♂ as at first stated! A.W.S. 11.1.32! ~~No! = flavoguttata~~
N. fabriciana large ♀ at 1, (? host).
Crabro varius ♀ at 1.
Pemphredon shuckardi at 1.

Those from Cloghleagh labelled
"C" Athdown
Co. Wi. A.W.S.
5.7.31

Tenthredella balteata ♀ seen at 2. Rhogogaster viridis at 2.
Dolerus aeneus ♂ at 2.

Glypta ceratites ~~costatites~~ ♀ at 1.

5/7/31 cont. Cloghleague & Athdown cont.
Alomyia debellator a black ♂ taken, red one seen, at 2.
Homocidus tarsatorius ♀ } on Salix aurita in company of [illegible],
" sp.? } also pectoralis at 2.
Erromenus ? 2 ex

8.7.31. Evening 7–7.30pm. Fine evening after several poor days. Garden, 14 Clareville Rd., Harold's X, Dll.
Mesoleius at white currant-bush.
Hemiteles ? ♀ " "
Homocidus ♂. H. pictus? ♀.
Bassus tricinctus ♂
Orthocentrus or Stenomacrus ♂.
♂ of vol. 1.
Bombus lucorum ☿☿ & ♂♂ abundant on Thymus, Campanula & Cistus. Fresh ♀ entered house on previous day.
B. agrorum ☿☿, a few seen.

[Ichn. hatched out of Ballyhenry sawfly galls]

9th July 1931. George's 12th birthday! A fine day, warm & calm, but little real sun, though clouds thin. Afternoon!

4 till 6.15 pm. Upper part of Devil's Glen, Co. Wi.

Bombus lucorum a few ☿☿. B. agrorum a few ♀♀ & ☿☿.

Halictus tumulorum 1♀ seen.

Crabro varius 1♀ more like palmipes! AWS. 12/1/39.

Athalia lugens ♂ & A. cordata ♂ in marsh near road.

Blennocampa tenuicornis ♂: possibly swept off Salix! swept off Salix

Tenthredella livida ♂ & T. mesomela.

Lampronota ♀ on bramble shoot at zig-zag.

Glypta elongator ♂♂ & ♀♀ (some reddish abd.) swept off rushes &c. in marsh near road.

Pimpla brevicornis ♀ (& ?♂).

Homeridae? Promethes laticarpus? 1♂.

Cryptinae ♂ in glen

Mesoleptid swept off rushes &c.

Helictes ♂

Diptera: Xylota tarda (confirmed by R. L. Coe, Aug. 1952) A.W.S.

NB. many ichs swept off rushes, Salix &c. along ditch not far below main road at top of glen.

Also many Braconids & a few Ichs taken in motor on out & return journeys: these dated & labelled "In motor, Wi or Du."

Sigalphus pallidipes 1♂, 3♀♀

9.7.31 cont. Braconids &c. taken in motor, Wi or Du?
[Only one pinned labelled; this a Braconid & labelled "Dublin". AWS. 6.11.31 not carded!!]

12th July 1931. A fine day (with falling glass!), mainly cloudy after 2 pm., hot, after a very wet night. With Palmer

Rathdrum, Co. Wi. Vale below station to Avondale footbridge on right bank of river, returning by left bank. Unless otherwise stated all taken near station between 11 AM & 12-30 noon. 11.0 AM till 3.0 pm.

Bombus lucorum ☿☿. B. hortorum ☿☿. B. jonellus 1☿.

B. lapidarius 1☿. B. agrorum ☿☿ & ♀♀ seen. All v. rare!

Andrena fucata worn ♀♀ seen. A. subopaca ♀♀. A. coitana ♂♂

Halictus leucopus & ? villosulus or nitidiusculus ♀♀ seen; v. rare!

Nomada ruficornis ♀ seen. N. flavoguttata ♀♀ frequent.

Pompilus spissus ♂ near station & ♀ ~~at~~ near Avondale footbridge at stony by river.

P. nigerrimus ♂♂ & ♀♀ seen. | Megachile willughbiella ♀ at Avondale bridge.

Gorytes mystaceus ♀♀. Agenia variegata ♀.

Odynerus 3-fasciatus ♂ & ♀ near station.

Crabro varius, vagus, dimidiatus 1♂ & (cavifrons or chrysostomus 1♂)

[No C. aphidum taken, but possibly one seen at top of cliff (Palmer.) outside tunnel near station, where Goat Willow on which it was previously taken has been carried away by a land-slide into river.]

12.7.31 cont. Rathdrum cont.

Nematinus fuscipennis ♂ at Avondale footbridge.
Athalia & Stenomacrus delicatulus & St. lineatus ♀ seen.
Pimpla oculatoria 1♀. P. elegans, large ♀.
Lissonota variabilis ♀ at gate post of Avondale bridge.
Bassus deletus? ♂.

Automalus alboguttatus ♂

12.7.31 cont. 3.15 till 5 pm. Both banks of river above Castle Howard bridge, Meeting of the Waters, Co. Wl.
Very little sun!
Andrena humilis: possibly 1♀ seen by Palmer at nesting site but no ♂♂.
A. coitana ♂♂ common, 1♀ on railway at Jasione.
Sphecodes ferruginatus? R.C.L.P. 1♀ at A. humilis colony.
Hylaeus minutus ♀ on Jasione on railway.
Very few insects out & no ichs. seen!

12.7.31 cont. Some Braconids & Proctotrupids taken in car on outward & return journey, mostly in Co. Wl.
Mesochorus ♂ taken S. of Ashford, near Ballyfade cross rd.

16th July 1931. About six sp. of ichs taken garden at Harold's Cross, Dn. in evening.
Homocidus ornatus ♂? Stenomacrus ♂ & ♀ on Ellison's lilac bush. Mesoleius sp.
Pimpla maculator ♂. Campoplegid — Pteronidea ribesii ♂ ? R.C.L.P.

16th July 1931. Aft. showery & dull!
Drove George & Hugh to Tallaght Hill, Dn.
Vespa austriaca ♀ at 700 ft.
Small black ich taken in car. = Atractodes tenebricosus?

Summer Holiday 1931.

17th July 1931. A wet-warm day: no sun.
Left Dublin at 11 A.M. & drove to Ravensdale Co. Lth. There lunched in car. Then over border to Rostrevor, DO. There called on Rev. W. F. Johnson & on to Kilkeel.
Aphidius ♂ taken in car at Ravensdale but no other hymenoptera seen.
apparently lost or destroyed! A.S. 7/11/31.

18th July 1931. A warm showery day, with sun only, in aft. & then rain.

Morning 10 till 1 pm. Coast, &c near harbour, Kilkeel, Co. Down. No sun: showers.

Bombus lucorum 1 ☿.

B. agrorum 1 ♀, 2 or 3 ☿☿.

Myrmica ruginodis & Formica fusca ☿☿.

Athalia lugens ♂ + ♀. & A. ~~cordata~~ lineolata 2 ♀♀.

Tenthredo arcuata or perkinsi

~~Pachyprotasis~~.

Glypta bicornis v. rostrata ♂♂ + ♀.

Afternoon 3 till 4 pm. Some hot sun, windy. Cranfield, near Greencastle, Co. Do.

Odynerus trimarginatus ♂♂ + ♀♀.

Tenthredo

Pachyprotasis rapae ♀

Lissonota cylindrator ♂♂

Banchus volutatorius ♂. Exetastes illusor

Ichneumon ♂. I. .. ♀♀.

Atractodes tenebricosus ?

18.7.31, afternoon, cont. Cranfield, Do. cont.

19th July 1931. A promising day spoilt by heavy showers (& S.W. wind in morning).

Morning 10 till 1 pm. Coast N. of river mouth Kilkeel, Co. Down.

Bombus lucorum ☿ seen.

Andrena coitana ♀♀ on Jasione.

A. denticulata 1 ♂ worn (? off Hypochoeris)

Halictus rubicundus 2 ♀♀ seen.

Hylaeus minutus ♂♂ on Wild Carrot below cliffs.

Pompilus gibbus 1 ♀ on Wild Carrot. Odynerus trimarginatus ♂.

Pteronidea myosotidis 1 ♂ worn: "sport," see R.C.L.P.'s letter of 6.4.32.

Tenthredo arcuata. More common than on previous day.

Ichneumon sarcitorius ♀♀ on Wild Carrot, &:

" ♂ red & black. do. do. ♂ yellow & black

Pimpla turionellae ♀. Pycnocryptus peregrinator ♀.? Cryptus viduatorius ♀?

Banchus volutatorius ♂ Homocidus nigritarsus ? ♂

Tryphonid, small sp. ♀: ? same as taken here on 23.7.31 & in A.V. on 25.7.31 aft.

Alysia manducator ♀ on Wild Carrot.

Bracon ♀.

19th July 1931 cont.

Afternoon. Roadsides, &c inland (N.W.) of Kilkeel, DO.

Bombus lucorum ♀♀ & ☿☿ very rare. B. agrorum 1 ♀.

Andrena denticulata 1 ♂ on Leontodon near bridge over river N. of K.

A. saundersella a fresh ♀ in old sand pit at same place.

† Halictus ~~calceatus~~ villosulus, a very large 1 ♀ at same place on Jasione.

† Allantus calceatus ? 1 ♂ on Salix, inland.

Alomyia debellator roadside.

Crabro dimidiatus 1 ♂ on Salix, inland.

Labelled Kilkeel Co. DO. A.W.S. 19.7.31 Aft.

Ametastegia equiseti ♂. √ RCLP.

Pimpla maculator ♀? with pale stigma

Phradis monilicornis 1 ♀. (? where taken!) : agrees with specimen in Haliday Coll. named by Morley! A.W.S. 10.11.'31.

— probably taken along scarp of Kilkeel river just N.(W) of bridge on main road to Newcastle where field path runs along top of steep slope covered with scrub. A.W.S.

[illegible] ♂ at Salix inland

20th July 1931. A fine day spoilt by clouds & keen N. wind! Very little sun!!

Morning 10.30 till 1 pm. Coast N. of Kilkeel Harbour, DO.

Bombus lucorum ☿☿ & 1 ♀. B. lapidarius 1 ☿. B. hortorum 1 ☿

B. muscorum several ☿☿ on Thyme, &c. B. agrorum ☿☿.

Andrena gwynana 1 ♂, 2nd brood. A. denticulata 1 ♂ on Hypochoeris.

Halictus villosulus, ♀. Hylaeus minutus ♂♂.

Pompilus gibbus 1 fresh ♀. Myrmica ruginodis ♂♂ & ☿☿, (no winged ♀♀).

M. scabrinodis ☿☿

20.7.31 cont. Coast N. of Kilkeel cont.

Pemphredon lethifer several on Oenanthe crocata.

[? Tachysphex pectinipes seen]

Athalia & Tenthredo seen.

Cryptus viduatorius ♀♀ common. Pycnocryptus peregrinator? ♀♀.

20.7.31 Afternoon: mostly dull & cold, but several short sun-bursts.

Drove to gap on Hilltown road, turned & came back to pine clad hill N. of Yellow Water ca. 900 ft. alt. Here collected numerous ichs. &c by sweeping bracken & other vegetation at about 750 ft alt. These labelled "Pine Hill, Mourne, Co. DO."

Then drove down old road W. side of Mourne Park & collected in valley of tributary on W. side of White Water near Tullyframe. Here took many ichs by sweeping rushes, &c in valley & these labelled "Tullyframe, Mourne, Co. DO".

P.T.O.

20.7.31 cont.

Pine Hill, Mourne, Co. Do. 3 till 4 pm.

Mesoleius ! fulvus Thoms ? collared ♀ swept off fern. M sp. ♂ on bracken. = vittatus ?

Leptopygus harpurus ? abundant on bracken

Campoplex small ♂

Phygadeuon ? ♂.

Braconids 3

Proctotrupids 2

20.7.31 cont.

Valley near Tullyframe, Mourne, Co. Do. 4.15 till 5 pm.

Glypta elongator ♂ & ♀♀ swept off rushes &c.

Pimpla maculator ♀ on Salix.

Red Campoplegid abundant on rushes &c. Thersilochus sp. ♀ ?

Hemiteles ♀. Phygadeuon ? ♂♂

Pezomachus sp. black ♀.

Apanteles sp. ? ♂ & ♀ ? same sp. black legs. Aphidius sp. ♂.

Bracon sp. ? ♀

Athalia lugens ♀. A. cordata ♀ ♂♂. nr. A. lineolata ♂♂ & ♀.

Andrena subopaca ♀ ?

Myrmica ruginodis ☿.

21st July 1931. A dull day, with rain from SE after 2 pm. Warm & nearly sunny about 1 pm. Drove via Newcastle & Dundrum to Rathmullan, on N. shore of Dundrum Bay, DO. Here coll. in sandhills on very promising ground for an hour, but too dull & windy for insects.

Pompilus gibbus 2 ♀♀.

Tachysphex pectinipes

Bethylus fuscicornis; others seen!

Small Proctotrupid & Chalcid

Pteronidea myosotidis ✓R.C.L.P. ♂ taken in car near Tyrella Ho.

Coelinius niger? Swept off marram grass.

[Pimpla maculator ♂ taken on railway near Clough]

21.7.31 cont. Drove on through Killough, Ardglass, Kilclief to Strangford & home via Downpatrick. Stopped at Benderg Bay for half an hour. There Canon Foster's colony of Colletes daviesanus is but saw no sign of life, except Tenthredo arcuata.

22nd July 1931. Another dull warm day with falling barometer & rain in aft. & evening.
Morning 10-30 till 1pm. Very windy, no sun!
~~Bombus [illegible] 1♀ seen~~
Coast N. of Kilkeel Harbour as before, DO.
Bombus muscorum 1♀ seen.
Andrena coitana 2♀♀ seen.
Pemphredon lethifer 1♂ on bramble.
Myrmica scabrinodis ♀
Alomyia debellator 1 red ♂ seen on Heracleum.
Melanichneumon sanguinator ♀ seen on bramble
Glypta ceratites ♂.

Small species (Braconids, Proctotrupids &c.) swept along cliff path; including 1♀ Pezomachus.

22.7.31 cont. In aft. drove up to Silent Valley & saw over new Belfast Waterworks.

23rd July 1931. A fine day but not much sun in morning & windy (SW) all day!
Morning: 11.30 till 1.15 pm.
Coast N. of Kilkeel Harbour as before, DO.
Bombus muscorum ♀ & ☿☿ seen. B. agrorum 1♀.
Megachile (?versicolor) ♂ seen resting on boulder in bank below cottage, for one instant.
Halictus rubicundus 2♀♀ seen. H. ~~calceatus~~ villosulus 1 large ♀.
H. leucopus 1♀ on Thymus.
Hylaeus minutus ♂♂ & ♀♀ on Jasione & Carrot.
Pemphredon lethifer ♀.
Odynerus trimarginatus on heather-bank by road to beach.
Chrysis ignita.
Tachysphex pectinipes below cottage on sea bank.
Pompilus gibbus ♀♀.
Salius exaltatus large ♀ on carrot near harbour footbridge.
Lasius niger ~~alienus~~? 1☿ kept.
Tenthredo 'arcuata' ♂ & ♀ in cop. taken.
Ichneumon sp. 2♂♂. I. sp.? smaller ♂. I. sp. ♀
Pycnocryptus peregrinator ♀. Amblyteles ♂.
Tryphonid ? same sp. as taken here on 19.7.31. {also? same as taken at Ballycastle, A.N. on 25.7.31 (aft.)}
Homocidus obscuripes 1♂.

23.7.31 cont.

Afternoon 2.30 till 4.30. Windy, some poor sun!

Cranfield Bay, Greencastle, Co. Do.

Bombus distinguendus several ☿☿ on Raphanus maritimus at N. end of bay. B. muscorum 1☿ seen.

Andrena nigroaenea ✓ & a worn ♀ on Matricaria inodora.

Halictus rubicundus ♀.

Odynerus trimarginatus ♀.

Pompilus gibbus ♀ on carrot.

Pachynematus rumicis ✓RCLP ♀ swept off mixed herbage at S. end of bay in hay field.

Tenthredo ♂ & ♀ in cop. at S. end of bay.

Lissonota bellator first ♀ of season seen! - Hus short 2nd + 3rd segs.

Banchus volutatorius ♂ on Heracleum.

Ichneumon gradarius? ♂. I. sp. ♂. I. sp. 4 ♀♀

Homocidus pulcher ♂, also bay field, dark var.

Amblyteles negatorius, 1 ♂ on wild carrot in middle of bay.

Probolus alticola?? ♀.

Cryptus viduatorius ♀.

[After tea took 2 ~~ichneumons~~ hymenoptera at thistles near harbour footbridge, Kilkeel DO. :={Proctotrupes gravidator ♀ / Glypta bifoveolata ♂.
Labelled "23.7.31. Ev."]

24th July 1931 see below

~~24~~ 25th July 1931. A fine day, but little sun in aft.

Morning 11-30 till 12-30, warm & sunny!

Edge of scrubby wood etc., S. side of Ballygalley Hd. ("Cairndhu"), Co. AN.

Bombus agrorum & lucorum ☿☿.

Vespa vulgaris ☿☿ & 2 nests seen.

Crabro dimidiatus ♂♂, common.

Homocidus nigritarsus? ♂♂ at alder (2 sizes, ✓yes! same sp.)

Ichneumon ♂

Cratichneumon fabricator? ♀

About six other species.

25.7.31 cont. on p. 42

24th July 1931. A wet dull day, warm!

Left Kilkeel & drove via Ballynahinch & Belfast to Larne Harbour: stopped near Magheramorne, AN about 4 pm. & caught a few ichs along road & in disused quarries. Also saw here Bombus lucorum ♂♂ & ☿☿, B. hortorum ♂♂ & B. agrorum ☿☿. Vespa vulgaris ☿☿

Glypta ceratites ♂. Pimpla maculator ♀.

Ichneumon sp ♂. Cryptid 2 ♂♂

Aphidius sp ♂.

25th July 1931 cont. labelled ["25.7.31. Aft"]

Afternoon: warm & some good sun bursts.
Ballygalley Head (N. & N.W slopes, along chalk scarp & roadside; marshy fields & hedges!), Co. AN.

Bombus lucorum & agrorum ♀♀.

Psithyrus distinctus 1♀ (worn!) seen.

Pemphredon lethifer ♂♂ & ♀, also 2 nests in bramble along roadside ditch. [Perithous ~~mediator?~~ divinator ♂ taken at same place, ♀♀ along hedges inland!]

Tenthredo "arcuata" abundant.

Tenthredopsis sp. ♂

Perithous ~~mediator~~ divinator? ♂ & ♀♀, ? assoc. with Pemphredon lethifer

Many ichs. taken along hedges & on cow parsnip & along chalk scarp; a few swept off rushes & in marshy fields including 4 Phyga. ♀. Promethes laticarpus ♂

Tryphonid ?same as taken at Kilkeel, Do. on 19 & 23.7.31.

Homocidus [illegible]? 1♂.

Plectiscid: Miomerus aquisgranensis Först. 1♂? Homocidus nigritarsus? ♂♂.

Homocidus [illegible] ♂ ♀ [illegible]

Lissonota ornatanda ♂? (freak!). Glypta nigricornis? ♂.

[Phygadeuonid ♀ & Braconid ♀ taken in motor at Larne on return – afternoon!]
25.7.31.

26th July 1931. A fine day, but not much sun!
Before breakfast took ♂ & ♀ Lissonota cylindrator on carrot near ~~Olde~~ Olderfleet Castle, Curran, Larne Harb. AN.
Drove to Glenarm, where collected on old quarry tips N. of town on coast road (=1), then to Glendun viaduct labelled ["Glendun Vi."] where collected in scrub, & at N. end of same (=2); then ~~town~~ down valley to old road along west side of —— Wood, where labelled ["Glendun"] collected in wood & along road (=3), then back to Red Bay, where on sandhills took 3 ichs. on carrot (=4); then home to Larne, Co. AN.

[Ceropales maculatus ♀ (almost-certainly) seen on carrot at 1.]

Bombus lapidarius ♀ & ♀♀ at 1. B. lucorum & agrorum ♀♀.
Andrena saundersella ♀♀ on carrot & cow parsnip at 1.
A. coitana ♀♀ on bramble & cow-parsnip at 2.
Halictus freygessneri ♀ at 2. Odynerus pictus ♀♀ at 1.
Crabro dimidiatus ♂♂ & ♀♀ abundant at 3, nesting in old mortar of wall along old road.
Tenthredo "arcuata" abundant. Tenthredopsis ♀ at 3.
Athalia lineolata at 2 & 3. Trichiosoma -- ♀ at 3
"Nematus" lucidus √RCLP. ♂ at 2 amongst alders in field.
Dolerus aeneus ♀ at alders in field above 2.
Fenusa dohrnii ♀ √RCLP. on alder at 2.
Pachyprotasis rapae & antennata 1♀ each on alder at 3.

26.7.31 cont. Glenarm & Glendun, Co. AN. cont.

Chaenon anceps ♀ in wood at 3.
Many ich. at 1, 2 & 3.
Alomyia debellator, red ♀ at 1. Tryphon elongator ♂♂ at 1 &
Glypta elongator ♀ at 2; G. mensurator ♂ at 2; G. nigricornis? ♂ at 2.
Meniscus catenator ♀ on head of Holcus sp.
Cryptid ♀, Liss. bellator ♂ & Promethes laticarpus? ♂ at 4.
Lissonota errabunda? ♂ at 2.

27th July 1931. A wild day, after a moderate morning: very little sun & none after noon: very little out. Drove via Cairncastle & Knockdhu & Glenarm Valley to Glenarm & collected for several hours in old quarry just N. of village, as before (see 26.7.31 station No. 1). Left at 2.30 pm & drove home via coast, old road to Cairncastle, Sallagh Braes & Killyglen road to Larne. Co. AN.
Bombus lapidarius ♀ & ☿☿. B. lucorum ☿☿.
B. hortorum ☿☿ on Stachys sylvatica. B. agrorum ☿☿.
Megachile versicolor: a worn ♂ on only flower of Centaurea nigra.

27.7.31 cont. Glenarm, AN, cont.
Andrena albicans, very worn ♀ on Heracleum.
A. fucata 2 worn ♀ on Heracleum.
A. gwynana (2nd brood), a ♂ & a ♀ on Heracleum.
A. saundersella ♀♀ on Heracleum
A. coitana ♀♀ on Heracleum.
Chrysis ignita ♀ on chalk scarp.
Tenthredo a few, ♀ taken.
Athalia cordata ♀.

Glypta ceratites 2 ♂♂, with very robust "horn".
G. mensurator? ♀.
Pimpla sp? ♂
Alomyia debellator ♂ seen.
Campoplex ♀.
Amblyteles. ♂.
Homocidus ~~sp.~~ nigritarsus? ♂.

46.

28th July 1931. Gale, following wet stormy night, with rising glass & little sun till too late.
Noon till 4.30 pm

Glenariff & Parkmore Glen, Co. AN.

Almost all collected in Parkmore Glen (= the Glenariff of the tourists!) except Ichneumon ♂ & Tenthredo "arcuata" ♂ which taken on hillside.

Bombus agrorum a few ☿☿ seen (the only Bumble).

Andrena fucata a very worn ♀ on Angelica on hillside.

Tenthredopsis red ♀ on grass in glen.

Tenthredella atra ♀ in glen.

Pachyprotasis rapae ♀ on bramble in glen.

Red Braconid like Meteorus on spruce in glen.

Cratichneumon rufifrons 2♀♀. (in glen)!

Tryphonid & several smaller spp. all in glen.

Larvae of Pteronidea? on Hazel & Croesus? on Goat Willow.

29th July 1931. A wet morning & no clearance till about 2.30 pm. Then fine & very hot till terrific thunder shower at 4 pm put an end of collecting.
~~2.30~~ 3.0 till 4.0 pm.
Carnlough Glen, Co. Antrim.

47.

29.7.31 cont. Carnlough Glen, AN.

Obviously very good ground if only weather good!

Bombus agrorum ☿☿. B. jonellus 1♂ seen.

Vespa sylvestris ☿☿ on Scrophularia.

Hylaeus confusus 1♀ on bramble leaf.

Odynerus pictus ♂ seen & nest of white chalk on black basaltic boulder discovered by M.D.S.

Pompilus nigerrimus ♀ on quarry tip.

One or two ♂ Ichneumon spp. taken on river bank behind town; rest of ichneumonidae taken in glen before thunder came.

Pimpla "flavicoxis"? ♂.

Tryphon sp. ♀ with "auricular" scales!

Cratichneumon ?annulator ♀.

Ichneumon sp. 2♂♂ large + 1 sp. smaller ♂ (see above)

Aspilota compressa ♀ (JWS 4.5.35) taken in motor on return journey →

Tenthredo ♂ & ♀ in cop. taken.

Athalia cordata ♂.

Strongylogaster delicatulus ♀.

Larvae of Croesus? on Salix cinerea (white leaves).

29.7.31. On return journey, C. to Larne some small hymenoptera taken in car. These all labelled Carnlough & also but on back of label "In motor" as well. One small Phygadeuonid [illegible] 13.11.31. Rest all [illegible] taken on N. Bull [illegible] Braconids, Chalcids or Proctotrupids.

30th July 1931. A showery day, dull in morning but with a few sun bursts & showers in aft. Drove to Cushendun & collected along west side of moraine where river has cut a face in it (= 1) (here much good ground along deserted oxbow of river) then (1 pm) drove up to viaduct where took 3 ichs & down left side of valley to old wood (as before); here collected from 2.0 pm till 4.30 but no sun till 4 pm. Wood = 2. Glendun, Co. AN.

Bombus agrorum ♀♀ at 1. B. hortorum 1 ♀ at 1.

[What looked like a ♂ Psithyrus distinctus seen at 2]

Andrena subopaca ♀ in wood at 2. A. coitana } at viaduct. A. fucata ♀ } on Oenanthe crocata

Nomada seen at 2, in wood, ? species.

Mellinus arvensis ♂♂ & ♀♀ abundant at 1.

Crabro [dimidiatus, [illegible]] ♀♀ nesting in wall in Cushendun village & carrying flies home; one seen with fly under left hind coxa, but George saw one with fly under right coxa.

Tenthredo ♀ at 1.

Pachyprotasis antennata ♀ on birch at 2.

Athalia seen at 2.

Pteronidea "n. sp. Irish" (See R.C.L.P. in litt. of 6.4.32!) at Salix cinerea with shiny leaves, in wood at 2.
= [illegible] Benson (v. R.B.B. 1934).

30.7.31 cont. Glendun, AN, cont.

Pimpla turionellae ♂♂ at 2.

Homocidus suspensus [illegible] ♀ at 2, on Salix. 4 [illegible] ♂.

Promethes pulchellus ♂? ♀ at 2.

Red Campoplegid abundant on sedge ♂ at 2

Ichneumon sp. ♂ at 2. Pimpla turionellae 2 ♂♂ at 2.

Tryphon elongator at 1. Atractodes [illegible] ♂♂ & ♀♀ abundant at 2 on flowers

Tryphonid ♂ at 2.

4 spp. of [illegible] 1 or 2 at 2.

[Taken in motor at Larne, Co. AN., or where in aft. 30.7.31. Stilpnus gagates ♀.]

31st July 1931. A dull day, warm, with misty rain in afternoon.

11.0 AM till 1 pm

Waste ground at S. end of the Curran, Larne Harb. Co. AN. Mostly taken on Heracleum & Daucus.

Bombus lucorum, agrorum, lapidarius 1 ♀ & hortorum.

Odynerus trimarginatus 1 ♀.

Tenthredo

Pteronidea myosotidis ♀. } v R.C.L.P.
Pachynematus obductus v. near conductus ♀ }

Cont. p.t.o

31.7.31 cont. The Curran, Larne, A.N. cont.

Ichneumon stramentarius ? ♂♂ ♀

I. sarcitorius ♂♂

Alomyia debellator ♂♀, variable in size & colour.

Atractodes tenebricosus ♂♂ abundant

Homocidus elegans 1♀. Lissonota errabunda ♀. Pimpla detrita ♀.

31.7.31, afternoon. Left Larne at 2 p.m. & drove to Donaghadee, Co. Do.

Stopped at Whitehead, Co. AN, & bottled a lot of small ichs. &c in car.

Lissonota errabunda ♀

Aphidiid . [illegible]

Chalcid with [illegible] antennae

1st August 1931. A perfect day after a foggy & wet night. Light E. breeze & all sunny.

11 AM till 1-30 PM. Old gravel pit by railway at Herdstown, D'dee, Co. Do.

Most ichs taken on Daucus or Heracleum.

Bombus terrestris 1♀ caught & identified & liberated.

B. lucorum, agrorum, hortorum & muscorum

Psithyrus 'distinctus' ♂♂ frequent.

[No other aculeates seen!] Odynerus nests in boulder.

Pompilus nigerrimus ♀

Tenthredo arcuata small dark ♂ taken.

Athalia cordata ♀. Selandria serva ♀♂ ✓

Pimpla turionellae small ♀. Glypta bicornis & rostrata ♂♂ & ♀♀ common, small black.

~~G. elongata ♀~~. G. monoceros ✓ 3♀♀ G. ceratites 1♂

G. sp. ♂. 1. Lamprokrota sp. ♂.

Lissonota cylindrator ♀ Pimpla (detritor? nigricans) 2♂♂ P. turionellae 1♀.

Exetastes guttatorius ♀

Gyrocampa foveola 1♀ (!A.W.S. & Nixon).

1st August 1931, afternoon.

Drive via Carrowdore, Greyabbey, Kirkcubbin, to Ballyhalbert, where collected in rocky places opposite Burial Island, Co. DO.

At roadside bank outside Carrowdore castle, saw Halictus rubicundus ♀♀ & took H. leucopus, ♀.

At Greyabbey saw one ♂ Odynerus sp.?

At Ballyhalbert saw or took

Bombus lucorum, agrorum, muscorum, hortorum & lapidarius ♀♀.

Tenthredo "arcuata" ♂

Glypta elongator black ♂♂

G. bicornis v. rostrata black ♂ with black hind tibiae & black ♀

Ctenisciid & another Tryphonid

Several Campoplegids

"Ichnid"? 2 ♂♂

2nd August 1931. Another perfect day!

Morning: 11.30 AM till 1.15 pm.

Old quarries on S. side of Scrabo Hill, Newtownards, Co. DO. All sunny!

Bombus lucorum, agrorum, hortorum ♀♀.

Vespa vulgaris ♀♀ seen.

Andrena tarsata 1♀ in quarry.

Crabro varius

Pompilus nigerrimus ♀♀.

Ceropales maculatus ♂♂ & ♀♀, with Cat.

Tenthredo "arcuata". Athalia cordata ♂.

Alomyia debellator, one small black ♂.

Pimpla {detritus or nigrescens? 2 ♂♂ Lissonota cylindrator ♀

Glypta bicornis var. rostrata, dark ♂♂

Braconid. ♀, very interesting, looking of Rhogas

2.8.31 cont. Afternoon: sunny, cool breeze!
Garden at Coondara, Donaghadee, Co. DO.
Bombus agrorum, lucorum, hortorum ♀♀ & ♂♂ of all 3 spp.
Vespa norvegica & vulgaris ♀♀.
Crabro varius ♂
Odynerus parietum ? ♂
[Cladius pectinicornis ♂ Not amongst this lot when labelled: AWS. 23.11.31.]
Barichneumon 3♂♂.
Chorinaeus [illegible] 3♂♂ at present.
Pimpla turionellae ♂♂. + 1 var. flavicoxis ♂ (much smaller)
Campoplegid. several spp.
Phygadeuonid ? 1♂.

All taken at "Coondara"
labelled [D'dee / Co. DO. AWS. / 2.8.31]

3rd August 1931. Another perfect day, but E. wind strong at times.
Drove to Rathmullan, 1 mile E of Tyrella House, Dundrum Bay, Co. DO & spent three hours collecting in dunes, then back to shore of Strangford Lough, at back gate of Finnebrogue, near Quoile Bridge, Downpatrick, & here collected for an hour before continuing the journey home.

3.8.31 cont. Sand-dunes at Rathmullan, DO.
Bombus agrorum, muscorum 1♀ & lapidarius 1♀.
Pompilus gibbus ♀♀.
Tachysphex pectinipes seen.
Ceropales maculatus ♀♀.
Pachynematus clitellatus ♀ v RCLP.
Athalia cordata ♂ & Tenthredo "arcuata"
Large black & white Ichneumon taken asleep (?) in centre of ragwort umbel.
Cremastus geminus ♂♂ "swarming" (assembling) round one Euphorbia plant.
About a dozen spp. of ichs. taken on Heracleum along flat strip of dunes beside road.
Stylocryptus profligator ? 2♂♂.
Lissonota cylindrator ♀ Pimpla maculator ♀
Glypta "nigricornis" 2♀♀ of var. (or n. sp.) with long terebra, same as I got on dunes at Portrane, Co. Dn. (usually about 1st Sept.)

Very disappointing in regards fauna!

3.8.31 cont.

3.30 - 4 - 30 pm Shore of Strangford L., near Quoile Bridge, Do.

All labelled Quoile Co. Do. AVS. 3.8.31

Odynerus pictus ♂.
Tenthredo ♂ & ♀ in cop.
Fenusa dohrnii ♀♀ on Alder
Tenthredopsis sp. 1♂
About a dozen spp. of ichs. taken, mostly on Alders but some also swept (about five) off salt marsh vegetation along shore; these included a ♀ Polysphincta carrying young!
Pimpla inquisitor? ♀ (small).
Glypta bicornis v. rostrata 1♂ & 1 black ♀.
Glypta ceratites? 3♂♂, one with very elongate segments.

4th August 1931. Another cloudless day, but E wind very keen & strong & few hymenoptera out. 11.0 till 1.30 pm Old quarries, heath & plantation, S of Conlig & near Helen's Tower, Co. Do.

Bombus agrorum, lucorum & jonellus 1☿ on heath
Andrena fuscipes 1 worn ♀ on heath.
A. gwynana 2♀♀ 2nd brood (1 on heath, 1 on Heracleum)
A. sp. like subopaca seen.
Nomada fabriciana 1♀ (? 1st or 2nd brood); very dark & fresh
N. sp.? seen (could have been flavoguttata or last)
Chrysis ignita seen. Pompilus nigerrimus ♀ seen.
Crabro varius common.
C. styrius ✓ 3♂♂, 1♀ on Sycamore leaves in plantation near small swampy tarn [1♂ given to R.C.L. Perkins!]

Ichneumon lotator? ♂. Barichneumon albicinctus? ♂.
Glypta elongator 2♀♀. Pimpla brevicornis ♀♀, 1♂ (♂ with darkish stigma). P. sp.? 1♂, cf. pictipes with yellow front coxae, &c.
Orthocentrus sp. small ♂. Pimpla maculator ♂♂, one with black under sides to hind femora.
Banchus volutatorius 1♀. Pimpla sp.? small ♂ with front femora twice "ausgebuchtet" →

Campoplegids several spp.

Cryptid with petiolate abdomen.
Athalia cordata ♂.

4.8.31 cont: "Jungle" garden at Coondara, D'dee, DO.
5.0 – 6.0 pm. Labelled [D'dee Co. DO. AWS 4.8.31]
Homocidus cinctus 4 ♂♂ + 1 small ♀;
H. pectoratorius 4 ♂♂; several very small.
H. sp. (? pictus) 1 ♂ Bassus tricinctus 1 ♂.
? Campoplegid,
1 Ichneumon sp. ♂.

5th August 1931. The hottest day of week.
Old quarries & hedges near Soldierstown, Co. AN.
Bombus agrorum & lucorum ☿☿ ♂, but very few seen
Andrena gwynana 2 ♀♀ 2nd brood
No other aculeates seen! **Allantus cinctus** ♂ with freak ~~neuration~~ neur-ation in rt. wing! RCLP. in litt. 6.4.32.
Homocidus nigritarsus, ♂ at Sycamore tree: Do. do. H. sp. ♂ at hedge.

Glypta ceratites 3 ♂♂ ?

Campoplegid minor sp.

Ichneumon sp. ♂.

Specimen coll. on 5/8/31 kept alive & not pinned till 23/11/31. During this period it was in [illegible] & does not appear to have been injured, though a little [illegible]. AWS.

5.8.31 cont. N. shore (tow path) of the Broad Water Lough, near Moira, Co. AN.
No aculeates seen but B. agrorum, B. lucorum & 1 large pale ♀ Psithyrus campestris.
Allantus cinctus ♀
Pristiphora padi ♂ var. ✓ R.C.L.P.
Sten- Ichneumon culpator lugens ? 1 ♂   I. [illegible] ? ♂.
Glypta ceratites ♂♂.   Pimpla inquisitor var. rufata? ♀ P. sp. ? ♂ (? [illegible])
Lissonota bellator ♂♂.   Homocidus nigritarsus 1 ♂
Stylocryptus profligator ? 2 ♂♂.
Sagaritis sp. ?

6th August 1931 Another very hot day, but more cloud than during previous week.
Left Donaghadee 11 AM, drove to [illegible] & spent 40 minutes looking for more B. [illegible] [illegible] but only B. [illegible] seen. Then drove to Belfast & home to Dublin. Stopped for lunch at small quarry on roadside N. of Dromore, DO. where took 1 ♀ Nomada obtusifrons, & a couple of ichs.
Mymarid [illegible] in tea-cup here do.

P.T.O.

6.8.31 cont.

Stopped for tea at foot of Ravensdale, LH, where saw plenty of Mellinus arvensis, Bombus hortorum & B. agrorum; also 1 Crabro seen on oak but ? species. Also one ich.

END OF NORTHERN HOLIDAY 1931.

9th August 1931. A fine day, but not much sun till after 12 noon; cool N. breeze; after a very wet day & cool night.

Cloghleagne (= Cloghleagh) Glen, near Athdown, Co. Wi. 11 AM till 5.30 pm. Except a few ichs & Psithyrus barbutellus ♂ & black sawfly, which were taken below road & near R. Liffey, all taken in the glen or along old road up glen & within 1/4 mile of the bridge.

Bombus lucorum a few ♀♀, B. hortorum 1♀ on Foxglove.
B. agrorum ♀♀ abundant.
Psithyrus barbutellus 1♂
Andrena fuscipes ♂♂, some worn, some fresh, & 2 ♀♀ just out, on slope below old road.
A. coitana ♀♀. A. tarsata 1♀

9.8.31 cont. – Cloghleagne Glen, Wi cont.
Halictus tumulorum ♀♀ along old road.
Nomada ruficornis 1 worn ♀.
N. flavoguttata 1 worn ♀. N. obtusifrons ♀♀ common.

Mellinus arvensis ♂♂ & ♀♀ everywhere.
Gorytes mystaceus 1 worn ♀ on old road.
Crabro varius common in glen & nesting in roadside ?!
Pompilus nigerrimus ♀ nesting in stump on left side of stream.
Salius exaltatus ♂♂ & ♀♀ common.

Tenthredo "arcuata" & Athalia sp. seen.
Priophorus padi ♂ [illegible]

Ichneumon spp. ♂♂ & ♀♀
I. deliratorius ♂. Platylabus dimidiatus, 1♀ on Angelica below road.
~~Am~~ Black Cryptid (= Plectocryptus tarsatus Bridg. (Roman No. 143: see p. 99→)) with "white socks" on ♂♂ abundant in glen and 1♀ taken on Angelica below road. The ♂♂ fly like an Anomalid with hind legs dangling!

flies like an Anomalid with hind legs dangling!

Lissonota bellator ♂♂ assembly over grassy knoll.
L. cylindrator 1♀. L. [illegible] ♂♂ = ? L. lineata Grav. 1♂.
Phytodietus 2 ♂♂
Pimpla quadridentata 1 large & 1 very small ♂.

9.8.31 cont. Cloghleague, Co. Wi cont.
Lampronota ♀
Dyspetes praerogator ♂♂.
Bassus tricinctus ♀ on oak.
Atractodes tenebricosus ♂ [illegible] ♂
Tryphon elongator common.
Mesoleius
Leptopygus harpurus 1♂.

13th August 1931. A warm dull day with low & falling glass before deep depression! Sun mainly out.
Drove to Glen of the Downs, Wi & stopped to look at big stump below hotel (=1): here saw Trypoxylon clavic.♀ & Pass. ~~[illegible]~~ monilicornis ♀♀, also small ♀ Braconid. Took several small spp. of ichs in motor. Then drove to Newcastle where took a few ichs in marsh = 2. Owing to trouble with clutch of motor had to leave for Greystones soon after arrival at Newcastle.

13.8.31. At Greystones took 2 ichs in motor & 1 ♀ Hemiteles ? in railway carriage (=3).

Bombus lucorum (♂ ? on terrestris ☿ at 2), B. hortorum at 2.
B. agrorum, B. muscorum, B. lapidarius ☿☿ at 2.
B. distinguendus 1 fresh ♀ flew into car as we left 2.
Psithyrus distinctus very fresh ♂ at 2.
Passaloecus monilicornis ♀♀ at 1.
Trypoxylon clavicerum ♀♀ at 1.
Pachynematus diaphanus ✓RCLP. ♀♂ swept at 2.

Oedematopsis scabriculus ♂ in motor at 3.
Zootrephus infirmator ? 1 small red ♂ at 2.

16th August 1931. A bad day, very warm, mostly wet, stormy & only a few blinks of sun: middle of a very big depression.
By 9.30 train to Greystones & met Palmer at 11 AM at Barry's Bridge (Glen of the Downs) Co. Wi.
Spent day in the old Bellevue estate, where Palmer

16/8/31 cont. Bellevue, Delgany, Co. Wi. cont.
discovered much likely ground & some interesting aculeates during the bad weather of July.

Bombus lucorum, terrestris 1☿ certainly, B. muscorum ♂♂, ☿☿.
B. agrorum ☿☿.
Psithyrus distinctus ♂? (Palmer).
Vespa sylvestris & vulgaris ☿☿.
Odynerus sinuatus ♀ in marsh.
Salius exaltatus large ♀ amongst bracken
Crabro cetratus ♂ at stump on E. side of demesne (Palmer)
where Palmer reports Trypoxylon, ♂:
C. leucostomus ☿☿ at same stump.
Halictus rubicundus ♂, H. albipes or calceatus ♂♂
H.

Alomyia debellator ♂♂.
Ichneumon ♂.

Pimpla maculator ♂. P. turionellae ♂. Glypta ceratites 1♀.
Lissonota cf. folii ♀ L. bellator 1♂
Phytodietus 2 sp. ♂♂

bigattata? 1♂.

1.8.31. Took one small ick. Bracygaster? at Mayfield in garden at Crown, Harold's Cross, DU. & Purple ... 19.8.31

lf & morning.
sheltered.
ow R.C. Chapel

& ☿☿,
B. lapidarius ☿☿.

♀

Sherine.
matus ♂
♂.

Sawflies taken in 1932: returned named by Dr. R. C. L. Perkins, 15 Dec. 1932.

Taken by Miss G. C. Scott.

Pristiphora geniculata ♀. "At Mt. Ash, Glencree, Wi. 8.6.32. G.C.S.
Nematinus luteus ♂ "at alder" " " " "
✓ Empria liturata var. ♂. Glencree, Wi. 3.6.32. "
✓ " excisa Th. ♀. "At hawthorn" " " " "
✓ " tridens var. ♀. Bushy Park, Terenure, Du. 3.5.32
✓ Pachynematus obductus ♀. Newport Ho., Donabate, Du. 13.6.32.

Taken by A. W. S.

✓ Pteronidea miliaris ♀. Larvae on Salix, Ashdown Forest, E. Sussex 5.10.31. Em. 30.5.32.
✓ Croesus latipes." Black larvae on Birch " " "
♀ em. 16.5.32. ♂ em. 28.7.32.

✓✓ Pteronidea oligospila. L. on Salix, Upper Glenasmole, Du. 16.9.31. ♂ em. 30.5.32. ♀ em. 16.5.32.
✓✓ Platycampus luridiventris ♀. L. on Alder: Kelly's Glen, Du. 18.10.31. Em. 2.6.32.
✓✓ Dineura stilata ♂. Beaten off Hawthorn, Trim, ME. 29.5.32.
✓✓ Pteronidea "n. sp." probably. 1♂ at Salix, Ballinlough, WH. 29.5.32.
✓✓ Empria klugi, Cam. ♀. Ballyhealy, WH. 29.5.32.
✓✓ Mesoneura opaca ♀. On Salix or Alder, Clodiagh R., KK. 16.5.32.
✓✓ Priophorus tener ♂. Glen of the Downs, Wi. 1.6.32.
✓✓ Empria tridens ♀. In motor, Little Bray, Wi. 13.5.32.
✓✓ Hoplocampa rutilicornis 1♂, Nelson's Bridge, WX. 14.5.32.
✓✓ Empria pumila ♂. " " " "
✓✓ Pachynematus vagus ♀ Rocky Valley, Wi. 1.6.32.
✓✓ Dineura testaceipes ♀. Ballinlough, WH. 29.5.32.
✓✓ Lygaeonematus laricis ♂. Devil's Glen, Wi. 20.5.32.

Sawflies det. by R.C.L.P. 15/12/32.

Taken by A.W.S. continued

✓ ✓ Pachynematus obductus v. conductus ♀. Ballinlough, WH. 29.5.32.
✓ ✓ Lygaeonematus abietinus ♂. S. of Cushenstown, on Spruce (?), WX. 15.5.32.
✓ ✓ Pristiphora sp. E. of Ballyanne, WX. 15.5.32.
✓ ✓ Amauronematus cf. leucolaenus Kon. ♀. Nelson's Bridge, WX. 14.5.32
✓ ✓ Hoplocampa chrysorrhoea ♀♀, on Blackthorn, E. of Ballyanne, WX. 15.5.32.

✓ Pontaria spp.? 2 ♂♂, (on Salix ?), E. of Ballyanne, WX. 15.5.32.
" " 1 ♀, Nelson's Bridge, WX. 14.5.32.
" " small ♀. Ashdown Forest (?), Sussex? Em. 18.5.32
(Larvae on Salix 5.10.31, or on food plants from Coombe, Surrey, or Dublin a few days later!).

(1

Sawflies returned by Dr. Perkins with list & letter dated 27/1/1933 & letter dated 31/1/1933.

Miss Scott's collecting.

×Monophadnus pallescens ♀. Powerscourt, WI. 1.6.32. Miss Scott.

×Pristiphora pallidiventris v. denudata ♀. Near Mountrath, QC. 25.5.32 Miss Scott.

A.W.S.'s collecting.

×Pachynematus rumicis ♀. Cranfield, C. DO. 23.7.1931. AWS.

×Pontania leucaspis ♀. Clara, WI. 5.6.32.

×P. leucosticta 2♂♂. Ballylug, WI. 5.6.32.

×Blennocampa subcana ♂. Liffey Head, WI. 7.6.32.

×B. tenuicornis ♂ " " " " .

×Empria klugi ♂. Kippure Lodge, WI. 7.6.32.

× " " ♀. " " " " .

× " excisa ♂ " " " " .

×Selandria furstenbergensis ♀. Slade Brook, DU. 12.6.32, P.M.

×Pontania leucosticta ♀. " " " " , P.M.

×Pristiphora pallidiventris ♂ " " " " , P.M.

×Empria excisa ♂ " " " " . A.M.

×? Euura saliceti ♀ var. " " " " , P.M.

× " " " ♂. " " " " , AM.

×Pristiphora quercus ♂. " " " " , AM.

×Hoplocampa rutilicornis ♀ Powerscourt Dpk., WI. 27.5.32.

×Empria immersa ♂ & ♀. Slade Brook, DU. 12.6.32, both, A.M.

×Pontania leucosticta, very large ♂. " " " " , A.M.

×Pristiphora pallidiventris ♀. Glenmacnass, WI. 17.6.32.

Sawflies ret. by R.C.L.P. 27/1/33 cont.

×Empria klugi ♂. Glenmacnass, Wl. 17.6.32.
×Euura saliceti, probably! ♀ " " " .
×Empria immersa 2♀♀. " " "
×Pachnematus "xanthocarpus group", ♂. " " " .
×Pachynematus vagus ♀. " " " .
×Euura saliceti, probably! ♂ " " " .
×Pontania leucosticta 2♀♀. " " " .
×Pachynematus clitellatus ♀. " " " .
×Trichiocampus eradiatus 1♀. Powerscourt Dpk., Wl. 27.5.32.
×Pteronidea pœcilonota ♀, var. (sternum partly dark!). " " " " " .
×Phyllotoma vagans. ♀. Powerscourt Dm., Wl. 25.5.32.
×Empria tridens var. ?? ♀ (see RCLP's letter!) " " " " .
×Pachynematus rumicis ♀. Baginbun, WX. 27.6.32.
×Blennocampa tenuicornis ♀. Haggard Bridge, WX. 28.6.32.
×Platycampus luridiventris ♀ var. New Bridge (E. of Duncannon), WX. 29.5.32.
×Selandria morio 2♂♂ + ♀. Pollmounty, WX. 4.7.32.
×Pachynematus obductus ♀. Harold's Cross, Dbl. 9.7.32.
×Pristiphora ruficornis ♂. " " " " .
×Pachynematus vagus ♀ Markree, Co. SL. 9.8.32.
× " " ♀ var. " " " " .
×Pteronidea myosotidis small ♂. " " " " .
×P. myosotidis ♀. Finner, Bundoran, ED. 12.8.32.
×Pristiphora pallidiventris var. ♀. " " " 11.8.32.
×Pachynematus diaphanus ♂. Bunduff L., SL. 14.8.32.
× " " ♂. Bunduff Strand, SL. 18.8.32.
×Pachy. obductus ♀. Bunduff, SL. 16.8.32.

Sawflies ret. by R.C.L.P. 27/1/33, cont.

× Pachynematus clitellatus ♀? (might possibly be a much marked ♀ of diaphanus! RCLP. See letter 27.1.33). Bunduff, SL. 16.8.32.
× Selandria morio ♀. L. Erke, WD. 16.8.32.
× Pachynematus obductus, 2 ♀♀. Bunduff, SL. 18.8.32.
× Phyllotoma vagans 2♀♀. Trawallua, SL. 18.8.32.
× Pteronidea myosotidis ♀. Bunduff, SL. 22.8.32.
× Pachynematus clitellatus ♀. Bunduff, SL. 22.8.32.
× Priophorus brullei Th.? (see letter dated 27/1/33!), 1♀, Bracklon, WD. 24/8/32.
× Pachynematus obductus ♀. Trawallua, SL. 26.8.32.
× Pteronidea oligospila ♀, var. " " " ".
× Fenusa dohrni ♀. On alder, " " " ".
× Selandria morio ♀. On oak, Knather, near Belleek, ED. 27.8.32.
× Pristiphora pallidiventris, var. denudata Kon. ♀. Castlegal, Bunduff, SL. 26.8.32.

16/8/31 cont. Bellevue, Delgany, Co. Wi. cont.
discovered much likely ground & some interesting
aculeates during the bad weather of July.
Bombus lucorum, terrestris 1☿ certainly, B. muscorum ♂♂ ☿☿.
B. agrorum ☿☿.
Psithyrus distinctus ♂? (Palmer).
Vespa sylvestris & vulgaris ☿☿.
Odynerus sinuatus ♀ in marsh.
Salius exaltatus large ♀ amongst bracken
Crabro cetratus ♂ at stump on E. side of demesne (Palmer)
where Palmer reports Trypoxylon, ♂:
C. leucostomus ♀♀ at same stump.
Halictus rubicundus ♂, H. albipes or calceatus ♂♂
H.

Alomyia debellator ♂♂.
Ichneumon ♂.

Pimpla maculator ♂. P. turionellae ♂. Glypta ceratites 1♀.
Lissonota cf. folii ♀ L. bellator 1♂
Phytodietus 2 sp. ♂♂

16.8.31 cont. Bellevue, Wi cont.
Promethes pulchellus ♂. Homocidus obscuripes ? ♀. H. bigattatus ? 1♂.
Exochus 2 spp.

Proctotrupes ♀. [illegible] ? 1♂.

18.8.31. Took one small ich. Coenocryptus? in garden at Mayfield, Harold's Cross, DU. & Pimpla maculator ♀ 19.8.31

19th August 1931. Showery after wet night & morning.
2-30 – 4-30 pm. ~~Some~~ sun, hot & sheltered.
"Cliffs" & scrub, edge of fields &c; below R.C. Chapel
at Bohernabreena, Co. Dl.
Bombus terrestris ♂♂, B. lucorum ♂♂ & ☿☿,
B. agrorum ☿☿, B. muscorum (♂♂ ?), B. lapidarius ☿☿.
Halictus calceatus, 1♂ seen.
Bethylus fuscicornis 1♀, swept.
Athalia lineolata ♂♂ seen, one kept.
Tenthredo arcuata" seen
Glypta ceratites ♂ & ♀. G. ?striata ♀
Pimpla maculator ♀, pale stigma, worn!
Microcryptus nigrocinctus ? ♀ swept off Spiraea.
Homocidus pallipes 1♂ Promethes ~~[illegible]~~ cognatus ♂
Ichneumon lituator ♀ I. [illegible] ♂.

Dyspetes praerogator ♂♂, common!

23rd August 1931. A glorious day & all sunny, but keen E-NE wind kept insects in. With Palmer.

Bellevue, Delgany, Co. Wi as on previous Sunday.

Bombus terrestris ♂♂, lucorum fresh ♀♀, ♂♂ & ♀♀.

B. hortorum ♂, B. jonellus ♂♂ & ♀♀ on heather.

B. agrorum & muscorum ♂♂ & ♀♀.

Psithyrus distinctus, campestris, all dark forms, & barbutellus ♂♂ [Palmer took Ps. quadricolor here in July]

Colletes succincta ♂♂ [& 1 ♀ Palmer] on heather patch overlooking Glen of the Downs.

Andrena fuscipes ♂♂, only, with last at heather.

A. coitana ♀♀, A. denticulata 1 ♀ on ragwort,

& A. minutula ? 1 ♂ at E side of demesne.

Halictus rubicundus ♂♂ & fresh ♀♀ at knapweed;

old worn ♀♀ at heather & still working.

H. freygessneri ♂ & ♀ at heather patch.

H. calceatus ♂♂ & ♀. H. albipes fresh ♀

H. nitidiusculus ? fresh ♀

Sphecodes affinis 1 ♂ at heather patch.

Crabro vagus ♂♂ & ♀♀ at stumps. C. chrysostomus ♀♀

C. leucostomus ♂♂ & ♀♀. C. cetratus [♂♂ Palmer] & ♀♀

Mellinus arvensis ♂♂ & ♀♀, some latter very yellow

Odynerus pictus ♀ digging hole in soil of upturned stump!

23/8/31 cont. Bellevue cont.

Vespa vulgaris ☿☿. V. rufa & austriaca ♂♂ abundant.

Salius exaltatus ♂♂ & ♀♀.

Pompilus nigerrimus ♂♂ seen.

Agenia variegata ♀ at stumps!

On alders in a swamp near a cottage towards the NE of the demesne I saw several & took one specimen of a small black & yellow Stratiomyid dipteron which proved to be (the long doubted British) Oxycera fallenii Staeg. Recorded by Walker in 1851 (on Haliday's authority) as taken in Ireland by Tandy. Verified as fallenii by Mr. D. Aubertin of B.M. in letter dated 5/12/1931. A.W.S.

Athalia & Tenthredo seen.

Pimpla brevicornis ? ♀ at heather. Pimpla 2 ♂♂, ? spp.

Glypta ♂ ceratites & G. flavolineata ♂♀ in N.E. oak wood.

Homocidus ♂♂ of several species. H. pulcher 4 ♂♂, dark var.

[illegible] sp.

Lissonota variabilis ♀ at stumps. L. deversor ♀♀ & ♂

Meniscus impressor ♀♀ frequent at stumps.

Very small Hemiteles or Phygadeuon ♀ taken at Crabro stumps. (marked on back of label "on log!")

Larger but similar ♀ Cryptid with darker wings.

1 ~~[illegible]~~id.

1 Proctotrupid

68

26th August 1931. A glorious day, with keen E wind. With Roger Waterston of Edinburgh: drove to canal above Leixlip, Co. KD. 11 AM till 12.30.
Bombus lapidarius ☿☿ abundant.
B. agrorum, lucorum also seen, but no other aculeates.
Tenthredo "arcuatus" abundant. Pemphredon shuckardi ♀
[Two of each taken in capsules, but these mixed with those from Belleview, Wl on 23/8/31 then being labelled! AWS. 1/12/31.]

Then drove to Rogerstown quay, Rush, Co. Dub. where spent a couple of hours collecting Helix pisana in dunes. 1.30 - 3.30 pm. Here saw—
Bombus lapidarius ♂ & ☿☿, B. muscorum, lucorum & agrorum.
Psithyrus campestris ♂♂ & Ps. rupestris 1 ♂.
Pompilus gibbus? seen on field banks.
A few ichn. taken, including 2 ♀♀, very small, Stelfoxia?

69

27th Aug. 1931. A moderately sunny afternoon, after a dull cool morning; strong E wind. 2.30 - 5.30 pm. Spent an hour at sand-pit near Powerscourt Ho. (=1) & the rest of the time in upper part of demesne, just below deerpark on rt. bank of river (=2): all labelled Powerscourt Dm., Co. Wl.
Bombus lapidarius ♂♂ & ☿☿ at 1. B. hortorum ♂ at 1.
B. agrorum, muscorum & lucorum ♂♂ & ☿☿.
Psithyrus barbutellus ♂ & Ps. campestris ♂♂ at 1.
Halictus smeathmanellus one ♂ at 1. H. freygessneri ♂ & ♀ at 1.
Pemphredon lugubris 1 ♀ at 1.
Crabro IV-maculatus ♀ seen at 1. C. vagus ♂ & ? sp ([illegible]) at log below 1.
Athalia & Tenthredo seen.
Pompilus nigerrimus ♀ at 1. P. [illegible] ? very small ♀ at 1 [illegible].
P. [illegible] ? small ♀ in wood at 2. C. rufipes ? small ♀ at 2.

Homotropus pulcher 3♂♂, dark var., at Docken, [illegible], at 2.
Most other ichn. taken at 2.
Hypomecus quadriannulatus (? ♀)

30th August 1931. A fine day, but dull with strong NE wind till about 1.30; afterwards a glorious afternoon, but too late & little out. With O'Mahony. Sandhills, & on the Island, ~~Malahide~~, Portrane end, Co. Dublin. 11 AM till 3-30 PM.

Bombus lapidarius ♂♂ & ♀♀; a ♂ & ♀ in cop. on ground.
B. lucorum ♂♂ & ♀♀. B. terrestris ♂; also dead ♀ (E.O'M.)
B. agrorum & muscorum ♀♀ & ♂♂ of latter.
Psithyrus campestris 1 dead ♀ (E.O'M.)
Halictus rubicundus several ♂♂.
Crabro wesmaeli frequent ♂♂ & ♀♀.
Mellinus arvensis frequent, ♀♀, ? also ♂♂.
Astata stigma 1♀ on sandy slope just N. of "steps" on big bunker on "Island" golf course. [See 27.6.26!]
Tachysphex pectinipes ♀♀ with last & in several other places.
Pompilus gibbus ♀♀ frequent. P. plumbeus 1♂ (E.O'M.) & ♀♀ frequent.
[illegible] [illegible] 1♀ with Lasius niger at entrance to nest.
Helorus anomalipes?
[illegible] [illegible] at carrot [illegible] [illegible].

Tenthredo "arcuata" ♀♀ seen.

30.8.31 Portrane, Cont.
Glypta ceratites ♀ on carrot. G. bifoveolata ♀ on carrot
G. [illegible] ♂ on [illegible] & ♀ on carrot.
Pimpla detrita ♀ on thistle in dunes. P. brevicornis ? ♂.
[illegible] ♀ on carrot.

Pezomachus spp. [illegible]
~~[illegible]~~ [illegible]

melan-
Ichneumon perscrutator ♀♀ on carrot

Bassus varicoxa ♂♂ Homocidus 2 spp.
Promethes pulchellus 1♀.

72.

Insects taken at Portrane on 6.9.31 labelled by error also 2.9.31 AWS. →

2nd Sept. 1931. A dull warm afternoon, with thunder in the hills.

3.0 – 4.0 pm. Glenasmole? Glen, Co. Wi.

Bombus agrorum, lucorum & hortorum (♂♂ only).
Andrena fuscipes ♀♀ seen. A. tarsata 1 worn ♀.
Halictus albipes ♂♂ on Scabiosa succisa.
Nomada rufipes 1♀ with A. fuscipes.
Scolioneura betulae ♂ off birch in glen. ✓ RCLB.
Promethes sulcator ♀. ♀.
Homocidus pulcher, 1♂, dark var., at birch.
♀ Anomalid at oak

This ♂ was subsequently sent to Benson in 1937 who returned it with the label "Scolioneura ?sp. nov. near betulae"

Also stopped on outward journey at plantation near   where many stumps.
Here took Pemphredon schuckardi & saw but missed 1♂ & 3♀♀ Lissonota at stumps.
On return journey stopped in Glade of Seapoint? Dub., & bottled several Braconids & 1 ich which were in car.
(= [illegible]

[Big flood in Dodder, & the following day & much damage done in all valleys radiating from Kippure!]

(?all.)

Some labelled 2.9.1931 in error!

73.

6th Sept. 1931. A very fine day, much sun, but NW breeze at times strong; but after the great rain of 2nd – 4th Sept. when much of Dublin was flooded there were few insects about, though the ♂♂ Halict. were more numerous than before this year.

Portrane, coast outside Asylum & dunes to middle of the "Island", as before, Co. Dub.

Bombus terrestris, 1 fresh ♀ seen. B. lucorum ♀♀
B. latreillellus (♂♂) seen B. muscorum ♂♂ & ♀♀ seen (♂♂ all killed?)
B. lapidarius ♂♂ & ♀♀. [Island evidently very exposed!]
Halictus rubicundus ♂♂ & fresh ♀♀. H. calceatus ♂♂.
H. albipes ♂♂ (& ?1♀). H. smeathmanellus 1♂ at Martello Tower.
Colletes picistigma ♀ on hawkweed in dunes; very late.
Tachysphex pectinipes seen
Pompilus rufipes 2♀♀ seen in dunes on "Island"
P. gibbus ♀♀ seen on dunes & coast.
Salius exaltatus ♀ on cart-track along estuary road.
Ceropales maculata ♂ in dunes with very red legs.
[No Lasius niger in dunes, where thousands on the previous week!]
Athalia cordata ♀ ✓AWS.

Pristiphora fulvipes 2♀♀ ✓RCLB.
Pteronidea curtispina, large ♂, with stigma nearly as dark as in ribesii group! R.C.L.B. in litt. dated 6.4.1932.

} Swept off Salix repens in hollow near estuary!

P.T.O.

6.9.31 cont. Portrane, Du. cont.

Lissonota bellator ♀♀ on carrot.
Pimpla [illegible] 1♂.
Ctenisus (Eridolius) [illegible] (♂ & ♀ ?) swept off Salix repens.
Dyspetes praerogator on carrot.
Orthocentrus [illegible] ♂ along [illegible] (hedge) on Salix repens.
Homocidus pulcher 1♂, dark var. ♂: [illegible]
Promethes sulcator 1♂. P. pulchellus 1♂, 2♀♀.
[illegible] ♀♀ on carrot along [illegible]
Mesochorus nigripes 1♀.

[illegible] ✓ [illegible] ♀ on carrot [illegible]
[illegible] ♀ on carrot [illegible]
Eurylabus torvus ♀, [illegible]

9th Sept. 1931. A fine aft. but not much sun.
Drove to Enniskerry, Co. Wi. & stopped for a few minutes.
Mellinus arvensis ♀♀ abundant & nesting on bank beside the bridge; there also Lissonota sulphurifera ♀ Lasius niger "swarming" out of wall.
Then drove on to Glen of the Downs & worked up the old Bellevue avenue, Co. Wi. 3.0pm till 4.30, some sun.
Bombus agrorum & muscorum seen.
Bassus tricinctus ♂♂ Promethes dark laticarpus or pulchellus }? ♂?
[illegible] [illegible] ♂?
♂ Cryptid? which I cannot place: black with orange-red apex of scutellum & yellow post-scutellum: basal segment smooth [illegible]

~~Ametastegia glabrata ♂.~~ ???
Emphytus braccatus v. caligatus Eversm. ✓ R.C.L.P. in litt. 6.4.32.

13th Sept. 1931. A nice mild day, but little or no sun & misty rain in hills in afternoon.
Stream valley, swamp in dune, overgrown fields ("wuzzy") ½ mile S. of Ennereilly: formerly known to me as "Buck's Bridge", but erroneously, as the real Buck's Bridge is nearer Arklow; Co. Wi.
12.0 noon till 3 pm.

Bombus agrorum ♂♂ & ♀♀. B. muscorum ♂♂.
B. lucorum 1 ~~♀~~♂?, seen, only.
Vespa rufa ♂.
Mellinus arvensis ♀♀ in "wuzzy" & nesting in sandy cliff of coast.
Athalia lineolata? 1♂.
Pimpla nigricans (rotunda) ♀. ~~P.~~ P. detrita ? 1♀.
P. "rufata" ♂. P. oculatoria ? ♂.
Polysphincta varipes ♀ with 2 quite red segments.
Lissonota culiciformis 1♀. L. bellator 1♀
Tryphonid with red thorax amongst rushes. ? Alexeter nebulator Thunb.
Red & black ichneumonid ♀ amongst rushes.
Phaeogenes ♀ Exolytus ♂
Promethes sulcator, typical ♀ & ? one small dark ♀ with black petiole & hind coxae
Homocidus pallipes? ♂ & ♀.
Exochus.

16th Sept. 1931. Very warm, dull, almost raining!
Upper Glenasmole, Co. Dub.: Fields below Cobb's Lodge, between Cot Brook & Upper Dodder: mostly beaten out of Salix, some out of Birch, & a few out of other shrubs &:

Bombus agrorum frequent on Scabiosa succisa
Halictus albipes 1♂ on Scabious
Phaeogenes 2♂♂, 6♀♀ beaten out of Salix
Orthocentrus protuberans ♀♀ abundant on Salix & Birch.

Stenomacrus ventralis ♀♀ common on Salix, &c.
Prometh. pulchellus 1♂.
Various spp. of Braconids, Proctotrupids &c.
[illegible] ♀ beaten out of Salix.
Exolytus [illegible] ? ♂.

↗ these = Pteronidea oligospila ♂ & ♀ fide R.C.L.P. (♀ came out first!)
Two sawflies (Nematinae!) hatched on 16th & 30th May 1932 are believed to have come from larvae beaten of Salix or Betula on this day: also an ichneumon which em. 6.6.1932: but it is just possible that they could have come from larvae on Hazel taken in Glenariff, A.N. on 28 July 1931 all of which I believed died before spinning up.

17th Sept. 1931. 7.0 pm. Took ♀ dark Anomalid at B. Currant bush in garden at Harold's Cross

20th Sept. 1931. An absolutely perfect day!

Glencree, Co. Wi (from Knockree to Copse Wood.)

Most collected along stream at N. side of Knockree, =1 or in the Copse Wood; =2 a few at intermediate spots.

Bombus agrorum abundant. B. lucorum 1 ☿ at 1.

B. muscorum 1 ♂ (George) at 2 - B. jonellus 1 fresh ♂ (George) at 2.

Psithyrus campestris ♂♂, all dark form.

Andrena fuscipes (or Colletes succinctus) 1 ♀ seen to enter burrow & many fresh burrows seen, in old river terrace below Copse Wood. =3

Halictus calceatus & albipes ♂♂ seen at 3.

H. leucopus ♀♀ on Jasione montana at 3.

Sphecodes ♀ (? affinis or hyalinatus) seen at 3, but none at usual place above Copse Wood.

Vespa rufa ☿☿ seen [but no trace of any other "wasps" or fossor]

Emphytus serotinus ♂♂ abundant at oaks at 1 & 2 & several intermediate places: at some trees in dozens.

Athalia sp. seen at 1 & near 2.

Pimpla instigator 2 large ♀♀ seen. & ♂♂ of var. intermedia.

P. iv-dentata ? ♂♂ & 1 ♀. P. oculatoria ♂♂ & 1 ♀.

P. maculator small form of ♂♂ & ♀. P. sp. small ♂♂ with white hind tibiae.

Polysphincta tuberosa 3 ♂♂ (? at 1.)

20.9.31 cont - Glencree, Co. Wi cont.

Ichneumon sarcitorius ♀? [illegible] at 2.

Genarcha flavitarsa ♂ 2 near middle bridge below 1 & 2.

"Alexeter" semicaligatus? 1 typical & 1 black specimen?

Mesoleius — 1

Tryphon 2 spp.

~~26~~ 27th Sept. 1931. The fifth day, but sunless day in succession: very high barometer! Warm & still!

Wood in tributary valley at west side of Knockree, Glencree, Co. Wi. 11.0 AM till 4 PM.

Spent two hours beating in morning & two hours with net in afternoon. Beat some larvae off Alder, but most escaped out of box: they included Platycampus luridiventris, one large Croesus & several other species.

Bombus agrorum ♂♂ & ☿☿ common. B. lucorum 2 ♂♂.

Vespa vulgaris ☿☿ common.

[no other aculeates seen!]

R.T.O.

27/9/31. Glencree, Wi. cont.

Stenomacrus ventralis ♀♀ & Orthocentrus [illegible] ♀♀ very abundantly beaten off alder; oak & hazel a few; but ♂♂ rare & caught with net at oak (?) only.

Hemiteles [illegible] ? ♀ beaten off ~~[illegible]~~ hazel.

[illegible] ♀ taken on Salix in aft.

Polysphincta pallipes ? 3 ♂♂ at oak. oak.

Plectiscidea [illegible] off. taken at oak [illegible] afternoon

& 1 ♀ beaten off ? alder or oak or hazel in morning.

Glypta bicornis 1♂ 1♀ beaten off alder.

Glypta (cf. tenuicornis) ♀ beaten off alder.

Homocidus cinctus 1♂. H. dimidiatus ? 1♂ with hind tibiae blotched inside.

Eubadizon flavipes 1♂ (?)

Microcentrus thoracicus ? 1♂ beaten off alder.

[illegible] [illegible] ♀♀ beaten off alder & oak.

30th Sept. 1931. A fine afternoon but rather windy

Powerscourt demesne (rt. bank of river near just below deer-park), Co. Wi. 2.30 – 4.30 pm.

Vespa vulgaris 1 perf. ♀ on oak & ♀♀.

Emphytus serotinus ♂♂; & 1♀ seen high up oak.

Pimpla oculatoria ♀♀.

P. 2♂♂ = quadridentata, small!

Polysphincta tuberosa 1♀. ♀

Phytodietus sp. ♀

Mesoleius sp. ♂♂.

Promethes cognatus 2♂♂ in n.r.p.

Promethes [illegible] 1♂ " "

Panargyrops =Leptocryptus claviger Tasch. 2♂♂ at foot of great stump, where another taken on 11.10.31.

4th Oct. 1931. A dull, misty day, very warm.
11 AM till 1 pm. Garden at The Moat, Coombe,
Surrey =SR (J. C. Stelfox's!). Very warm: no sun.

Lissonota sulphurifera 3 ♀♀.] Two of these brought home: one is right: but the other seems to be a *Meniscus*, & runs to *M. bilineatus*, but does not fit that? A.W.B. 1932.

Pimpla inquisitor 1♀. *Promethes* 1♀. *Hemiteles* 2 of ♀♀.

Homocidus 2♂♂.

Vespa vulgaris ♀♀ at ivy.

Proctotrupes 1♂.

Those entered in pencil taken on morning of 5th Oct!

4.10.31. Aft. 2 till 4 pm. Very warm: dull. almost raining.
Richmond Park (from Kingston Hill to Pen Ponds & back!), Surrey =SR.

Bombus agrorum seen.
Pimpla inquisitor 3 ♀♀ at bracken.
Rhogas sp. 1♀ at bracken.

Promethes pulchellus 2♂♂. *P. sulcator* 1♀.

[5.10.31. A few ichs taken at The Moat, Coombe, in morning added to those taken on 4.10.31.]

8th Oct. 1931. A dull day with strong W. wind.
Glenasmole (lower), Co. Dub. The only insects seen were a few taken at N.W. corner of the upper reservoir, beside overflow, in lee of some bushes along the Slade brook channel.

Lissonota "basalis" with red legs or sulphurifera with dark
Promethes sulcator 1♀.

Stenomacrus ventralis 3♂♂ & 2♀♀ mtd. on one card with 1♂ of another species: latter with dark legs & face -t'.

Homocidus ♀.
H. 2♂♂.
Barichneumon ♂.
Pezomachus 1♀.
Atractodes tenebricosus ? 1♂.
Several Braconids.
Dacnusa gilvipes 1♀?

7th Oct 1931. [After return from London I took two days further leave].

Very stormy & few insects out. Spent an hour in marsh between upp. & lower road N. of Enniskerry, Co. Wl. There some shelter & considerable sun, but little out.

About six spp. of Ichneumonidae taken & one *Proctotrupes*.

83 B.

8th Oct. 1931. A dull day with strong W. wind. Glenasmole (lower), Co. Dublin. The only insects seen were a few taken at N.W. corner of the upper reservoir, beside overflow, in lee of some bushes along the Slade Brook channel.

Lissonota ?basalis with red legs or sulphurifera with dark frons in mesothorax 1♀

Stenomacrus ventralis 3♂♂ & 2♀♀ mtd. on one card with 1♂ of another species: latter with dark legs & face -x'.

Homocidus ♀.
H. 2♂♂.
Barichneumon ♂.
Pezomachus 1♀.
Atractodes tenebricosus ? 1♂.
Several Braconids.

Dacnusa gilvipes ? ♀?

4th Oct. 1931. A dull, misty day, very warm.
11 AM till 1 pm. Garden at The Moat, Coombe,
Surrey =SR (J. C. Stelfox's!). Very warm: no sun.

Lissonota sulphurifera 3 ♀♀. } Two of these brought home: one is right: but the other seems to be a Meniscus & runs to M. bilineatus but does not fit that? ANS 1932.

Pimpla inquisitor 1 ♀. Promethes ♀. Hemiteles 2 ♀♀

Homocidus 2 ♂♂.

Vespa vulgaris ♀♀ at ivy.

Proctotrupes ♂♂.

Those entered in pencil taken on morning of 5th Oct!

4.10.31. Aft. 2 till 4 pm. Very warm: dull. almost raining.
Richmond Park (from Kingston Hill to Pen Ponds & back!), Surrey =SR.

Bombus agrorum seen.

Pimpla inquisitor 3 ♀♀ at bracken.

Rhogas sp. ♀ at bracken.

Promethes pulchellus 2 ♂♂. P. sulcator 1 ♀.

[5.10.31. A few ichs taken at The Moat, Coombe, in morning added to those taken on 4.10.31.]

5th Oct. 1931. Very warm, moist & dull: only sun for half an hour in late aft. (~~3.0~~ 2.30 till ~~3.30~~ 3.0).
Ashdown Forest (N. side of Hindleap Warren) 1 mile N. of Wych Cross, E. Sussex =EX. 11.30 till 3.15!

Bored stump brought home from which 2 ♂♂ of Anthophora furcata appeared in July 1932 (19th & 22nd July respectively) & a dipterous on 5.6.1933, after 2 winters.

Bombus agrorum ♂♂ & ☿☿ common.

Halictus freygessneri 1 ♂ on Hieracium, 1 ♀ on Ulex.

Pimpla inquisitor ♀♀ frequent.

Polysphincta varipes ♀

Stilpnus ? ♂. – bicolor?

Exochus ? ♂.

Orthocentrus ? ? 3 ♂♂.

Tryphonid 2 ♂♂.

Myrmica ruginodis & scabrinodis

Formica fusca seen.

Larvae of Croesus latipes — ♀ em. 16.5.32, ♂ 28.7.32, supposedly this species! and another on 5.6.1933 after 2 winters. — on birch & family of Pteronidea miliaris nearly full-grown, brought home (pupated about a week later!) & fed on Salix from Ashdown (1), Coombe, Surrey (2) & Co. Dublin (3); from one of these branches of Salix emerged a small ♀ of Pontania on 18.5.32. Nearly all the Pteronidea were iched by Mesoleius , but 1 ♀ em. on 30.5.32.

11th Oct. 1931. A fine day, with much hot sun, but strong wind.

Powerscourt, Co. Wi. Almost all taken in upper part of demesne, on right bank of river for ¼ mile below the deerpark; a few only taken in lower part of deerpark where practically no sign of insect life. 11-30 till 3.30.

Bombus lucorum 1 ☿ seen on ragwort in deerpark.

B. agrorum ☿☿ & ♂♂ seen.

Vespa vulgaris ☿☿.

Pimpla iv-dentata ♀ at rushes! in deerpark; other in demesne.

P. rufata ♀ in demesne.

P. ovivora ♀ at roots of rushes in deerpark

P. turionellae ♂♂.

Lissonota basalis ? ♂.

Stenomacrus ventralis ? ♂ & ♀♀.

Promethes scutellaris ♂ in mint & alder "coombe" just below deerpark.

Promethes cognatus 4 ♂♂ with last & near by. P. laticarpus 2 ♂♂ with last.

~~Homocidus~~

Dyspetes praerogator. Mesoleius ♀

Alexeter

Leptocryptus (= "Panargyrops"?) claviger ♂, at big stump where 2 ♂♂ taken on 30/9/31.

11.10.31 cont. — Powerscourt, Wi cont.

Stenomacrus ventralis ♂♂ & ♀♀.

14th Oct. 1931. A dull still, mild day. Afternoon.

Glenasmole (foot of) (i.e. near Bohernabreena) just above Mr Doyle's & below & about calcrete blocks & cliffs, Co. Du. 2.30-4.0 pm.

Almost all beaten out of hazel!

Vespa vulgaris ☿☿ on ivy blossom (only a little ivy out!)

Ichneumon ♀.

[another very beautiful sp. with "white points" escaped: looked like Hoplismenus bispinatorius]. Labelled

Bohernabreena
Co. Du. A.W.S.
14. 10. 31.

Pimpla iv. dentata ♀.

Dyspetes praerogator ♀. Stenomacrus sp. 2 ♂♂.

~~[illegible]~~ Stenomacrus ventralis ♀ ♀♀ abundant.

Dacnusa areolaris ? abundant.

Rhitotypus sp.

Orthocentrus ? sp. ♂.

Stenomacrus ? sp. ♂.

18th Oct. 1931. A completely dull, mild, day.
Morning 11 till 12-30 noon.
Kilmashogue lane (=1) & Kelly's Glen (=2), Co. Dublin.

Vespa vulgaris ♂♂ & ☿☿ abundant at ivy at 1.

Hemiteles sp. 2♀♀. do. do. sp. 1♀ ex ivy at 1.

Orthocentrus ~~protuberans~~ radialis ♀ 1♂ at Salix at top fork of glen at 2.

Larvae (yellow & black) of Nematini abundant on Alder at apex of "peninsula" between tributaries at fork of glen at 2. These very like larvae taken at Meeting of the Waters on 1930 & Glenariff, Co. Antrim, on 28th July 1931 on Hazel. [Three larvae sent to Dr. Perkins, who says they are almost certainly Hemichroa crocea!]

Hemichroa ~~alni~~ crocea! <2♀♀ em. 9.5.1932!
1♀ em. on 10/5; 2♀♀ on 11/5; 10♀♀ on 16/5; 6♀♀ on 18/5; 5♀♀ on 19/5; 3♀♀ on 24/5; & one ♀ (last) on 30/5 1932.

Platycampus luridiventris Larvae beaten off Alder at 2:- 1♀ em. 2.6.32.

C. B. Moffat reports seeing a ♀ Bombus terrestris by the canal near Clonsilla, Dn. on 13th Oct. 1931.

21st Oct. 1931. A very cold fine day, with sun in places. E. wind. 3.0 till 4.15 pm.
Powerscourt demesne (just below deerpark) Co. Wi.
All taken on (or about) two big oaks in field on top of right bank of river nearly opposite Valclusa gate: mostly beaten but some caught while sun was out.

Small Hymenoptera extraordinarily abundant & beating tray often litterally filled with Orthocentrus, Stenomacrus & other small species.

Vespa vulgaris 1♂ & ☿☿ on oaks.
Pimpla turionellae 1♀. P. rufata ♀♀ abundant.
P. detrita ?? 1♀ P. oculatoria ♂ & ♀.
Phytodietus geniculatus ♀.
Plectiscus or Megastylus ? ♂.
Orthocentrus protuberans ? ♂♂ Thomson
O.
Stenomacrus compressus Thoms. 1♀ of this curious little species! ? — Dr. Roman says not compressus he thinks! but I think [illegible]
Stenomacrus ventralis ♂♂ & ♀♀ abundant.
Mesochorus nr. thoracicus ~~2~~ ♂ & ♀
Stilpnus ♀. Hemiteles 2 spp. ♀♀.
Homocidus pallipes 1♂. Promethes pulchellus ~~[illegible]~~ 1♀.

Exallonyx sp. 6♀♀ beaten off oaks.

25th Oct. 1931. A fine day, after several such with frosty nights, but strong, very cold N.E. wind between noon & 4 pm.
Oak wood on S.E. slope of Carrick Mt., above Glenealy Lodge, Co. Wl [labelled "Glenealy"!] 11-30 AM till 3-30 pm.: almost all sunny!

Bombus agrorum 1 torpid ♂ seen; ? others heard.

Vespa vulgaris ☿☿: a few seen.

Stenichneumon defraudator ♀ taken on oak bush.

Xylonomus praecatorius ♀. beaten out of oak bush

Pimpla turionellae 1♀. P. inquisitor 1♀ ~~taken~~ at Calluna, P. rufata vera! 1♀ with yellow stripes on thorax.

Campoplegids frequent & about a dozen taken. ♂♂ mostly flying to oaks, ♀♀ beaten.

Orthocentrus spp. beaten off oak & beech

Stenomacrus ventralis ♂♂ & ♀♀ & other sp.? beaten.

-1♀ em. 9.5.1932. & 2♀♀ on 10/5/32
3 Larvae of Pteronidea curtispina ? (green with pink dorsal stripe!) on Salix.

[NB. Many dead & mould enshrouded ♂♂ Orthocentrus, &c, on under side of leaves of trees, where these had died with extended wings!]

28th Oct 1931. A fine day, but sun patchy in aft.
N.E. corner of oak-wood at Glen of the Downs, Co. Wl. 2-15 — 3-40 pm.

Vespa vulgaris frequent.

Ichneumon deliratorius ♂?

Phygadeuon ?

Hemiteles ? ♀, very fat.

Campoplegids several

Pimpla arguens ?? ♀ at Hazel bush

♀ ? Cryptid with long terebra beaten.

Mostly beaten off oaks or hazel.

Stenomacrus ventralis ♂♂ & ♀♀.

S. sp.? black ♀   S. sp.? smaller ♀, compressed abd.

Rhogas sp.   3♀♀

1st November 1931. A mild dull day with S.W. wind.

Glen above Enniskerry, Co. Wi. All beaten off oak, hazel, elm, &c., just inside gate & up slope to right.

Vespa vulgaris ☿☿ seen. all labelled Glencullen, Wi. 1.11.31. AWS.

Stilpnus gagates

Hemiteles ?? several spp. ♀♀.

Plectiscus ? ♂ with emarginate joints in antennae

Orthocentrus protuberans ♀

Stenomacrus ventralis ♂♂ & ♀♀ abundant

S. sp. ? ♀, small, with compressed abd.

11th November 1931. A fine day, but no sun in aft.

Powerscourt Demesne, Wi. 2-30 – 4-0 pm.

Orthocentrus protuberans ♀ beaten out of Conifer on avenue leading from river to house.

All other species beaten out of oak or ivy on top of right bank not far below deerpark, as usual.

Vespa vulgaris ☿☿ frequent.

11.11.31 cont. Powerscourt demesne cont.

Stilpnus gagates ?

Stenomacrus ventralis ♂♂, a few & ♀♀ abundant as usual

S.

S.

Cynipid (red).

Braconids 3 spp. Chorebus ?? Aspilota ?

Proctotrupids 2 sp. ?

15th Nov. 1931. A perfect day: very hot sun & gentle, NW wind.

North Bull, Co. Dubl. With E. O'Mahony.

Left cycles in middle of "dunes" & walked to "Lady Anne's Bank" at Sutton end of Bull, somewhere near which I believe Halbert took his specimen of Psen unicolor on 7th Aug. 1898. Shook roots of Psamma but from these got only two small ♀♀ ichs: — possibly Phygadeuon monodon) Those, but ??

[The only mollusca seen were Agriol. agrestis abundant pale form with brown "neck"; some very large. Vitrina pellucida large & common at N. end. Helicella acuta & H. virgata. –] ? ♂ of same sp. taken in water between Greystones & [illegible] on 29.7.31

List of specimens sent to Dr. Roman Nov. 1931
[continued from vol. 3, p. 106] with his remarks.

Serial No. [NB. specimens kept by Dr. Roman marked thus ×]

118. Stenomacrus compressus Thoms.? ♀ in Haliday Coll. "I doubt if this is compressus as the basal flagellar joints are not "fast breiter als lang". A.R. [In my specimen taken in Powerscourt demesne on 21.10.31 the first joint of flagellum is only a little longer than broad & much shorter than 2nd & 3rd which are obviously elongate! A.W.S.]

119. Homotropus brevicornis Thoms. ♀. "Seems correct from the description: your specimen has 19-jointed flagellum". A.R. = "crassicornis" Thoms.
119 from Clara, W1. 27.7.27.

×120. H. brevicornis Thoms. ♂. Probably correct. I have seen a ♂ from Moravia. Thomson's earlier name (p.1490) is crassicornis; brevicornis seems to have been due to a slip of his memory." A.R.
120 from Coan, Glen Imaal, W1. 28-6.31.

121. H. sp.? ♀. Runs to pictus but much larger than that I know as pictus. Could it be incisus Thom.? Note clypeus! "Seems to be incisus (unknown to me), but the hind tibiae are much paler than the descr. says." A.R.
121 from u/s. Glenasmole, DU. 16.6.29.

122. H. sp.? ♀. Cf. ♂ of rubiginosus Schmied.!
"= H. crassicornis Thoms. (fissorius Holmgr. non Grav.). Certainly I have compared it with a ♀ of fissorius Holmgr." A.R.
122 from Rathdrum, W1. 8.7.26.

I doubt this decision! A.W.S.

×123. H. sp. ♂. I think this is a dark form of pulcher though it is like a small tarsatorius in some ways. Very common, while typical pulcher ♂ is rare. "Is tarsatorius Pz. var. In the Museum we have Lapland ♂♂ just like yours. Irish specimens of many species are as dark as our Northern ones. H. pulcher ♂ + ♀ has the sides of the scutellum pale (types! & description of Holmgren. + Thoms. says "forte". A.R.
123 from Sallins, KD. 17.9.30.

I quite disagree with Roman on this point. This is not the ♂ of true tarsatorius.' A.W.S.

×124. H. alpinus ♂. The ♀ has very compressed apex of abdomen! On this day I took a long series of ♂♂ flying to a branch of a 'Douglas Fir', but only one ♀ (which is too precious to risk in the post.) "Seems correct from the description. I only know the ♀" A.R.
124 from Powerscourt (4), W1. 16.5.29.

125. H. longiventris ♀? "Correct, compared with Holmgren's 'pumilus ♂'! [Sorry the abdomen is missing & not to be found in the box!]" A.R.

125 from Rathdrum, Wi. 13.7.29.

x 126. Barsus sp. Is annulatus distinct from varicoxa & which is this? " Is varicoxa Thoms. ♂. In my 2 ♂♂ of annulatus, from Lapland, the face is totally yellow, the antennae red beneath, the mesonotum & scutellum quite black & the broad end of the hind tibiae clear red." A.R.

126 from Portrane, DU. 31.8.30.

x 127. B. albosignatus var.? If this is albosignatus then all Irish specimens have black hind coxae! If not this, what is it please. "It is varicoxa Thoms. ♀. In Sweden, too, varicoxa seems to be commoner than albosignatus. The ♂ is rarer than the ♀, at least in Sweden." A.R.

127 from Rathdrum, Wi. 26.7.30.

radialis See further note on p. 98 →

x 128. Orthocentrus fulvipes ♀. Is radialis Thoms. distinct from this? Morley says it is commoner than fulvipes in England! "Correct. I do not know radialis. Thomson's types are not here but in Lund, 10 hours' railway to the south." A.R.

128 from Slade Brook, Glenasmole, DU. 1.10.30.

x 129. Orthocentrus protuberans ♀. "Correct. In northern Sweden probably the commonest species of Ortho. s. st." A.R.

129 from Clara, Wi. 23.11.30.

130. Triclistus sp.? Is this lativentris or only podagricus? " = T. congener Holmgr. ♂." A.R.

130 from Arklow Head, Wi. 15.8.30.

131. Chorinaeus longicalcar? Johnson named it longicornis? "It seems to be, indeed, longicornis Thom. Longicalcar (the correct name for which is subcarinatus Hgr.) is more a northern ~~[illegible]~~ & mountain species; the type is from Lapland." A.R.

131 from Malahide, DU. 1.5.21.

132. Taken in Devon, England, by Dr. R.C.L. Perkins. I can make nothing out of this unless it is Anarthronota thuringiaca Schmied. "I have the same species (1 ♀) from Holland named by Smits v. Burgst as A. thuringiaca! If that is correct, Schmied's description is very poor." A.R.

132 from E. Dartmoor, Devon. R.C.L.P. 4.5.23.

133. Hadrodactylus [insignis ?] sp. "Is insignis Krb. ♂. Agrees also with varicoxa Thoms., but nothing is said about the 1st segm., so it is not certain this name is a synonym of insignis." A.R.

133 from Powerscourt, Wi. 19.6.25.

[thomsoni ?]

134. Hadrodactylus, sp. "H femoralis Holmgr. (non Thom.) ♀, dark specimen. In the Swedish ♀ I have compared it with the face is black in the middle. H. femoralis Thom. is confusus Holmgr." A.R.

134 from Glenmalure, WI. 3.6.26.

135. Himertus defectivus? "Correct. The first segment has glymmae, so the genus is a synonym of Genarches". A.R.

135. from Borrisokane, NT. (R.A. Phillips). 19.8.27.

× 136. Is this Meniscus impressor? "Correct". A.R.

136 from Deputy's Pass, WI. 12.8.30.

137. Is this Scopesus bicolor? "Certainly"! A.R.

137 from "(?) Meeting of the Waters, WI. 24.7.30".

× 138. Genarches sulphuratus ♂

138 from Kilcarry, CW. 6.8.29.

+ 139 G. flavitarsus ♂?

} Are these distinct & if so why do I not get ♀♀ of No. 139.?

Roman replies:—

"I do not think they are distinct, though I have taken neither myself, but I have a ♂ from the "Polish Corridor" with both face & hind tarsi pale, so I think these features are variable in colour". A.R.

139 from Stradbally, WA. 18-8-28.

Naturhistoriska Riksmuseet
ENTOMOLOGI
Prof. Dr YNGVE SJÖSTEDT

STOCKHOLM 50,
Den 22/3 32.

Dear Mr Stelfox,

By your letter of March 16th, received yesterday, I found to my surprise & sorrow, that I had disturbed your mourning after a recently lost child. Of course nothing like that was intended, but chance has its ways. If my lines have given, for the moment, your thoughts another direction, they may have been of some use. In any case I am glad for your letter, but at the same time a little ashamed, for you remind me of a discussion I had totally forgotten. My mentioning the Glypta nigrotroch. str. depended on my having found once more its resemblance to a mensurator in a Swedish collection I was perusing with the agreable intention to keep the interesting things.

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which the collector had kindly permitted. On my previous discussion of nigrotroch. I had evidently forgotten to make a note of the matter, so I had nothing to remind me.

23/3. I had to interrupt the writing yesterday. As you remark, there is a difference in stigma colour between mensurator & nigrotrochanterata, but it seems to be the only difference besides the abdominal colour. In the north the races differ slowly because of the want of heat, in the south the proceeding is quicker, & for that I think the race of the Alps, where the sun burns strongly in summer, to be a step farther differentiated by the dark stigma. This is, of course, a theoretical speculation, but to my experience it has a strong probability. Something similar is the case with Rhyssa persuasoria L. It is well known to occur in all the Holarctic zone, & everywhere, with one exception, it looks about the same. The exception is its southernmost occurrence, the Himalayas. A few years ago I received for inspection from the Brit. Museum a couple of specimens which puzzled them. After all comparison I could affectuate, I gave the opinion that it was a well-marked race of persuasoria, but no separate species. The hymenopterists of the Br. Mus. took the same side, & the form is now known as Rh. pers. himalayensis Wilksn.

Now you have my opinion on nigro-trochanterata, but so far it is not found in Sweden, & mensurator also is rare here. You say both & their intermediates are not rare in Ireland, & that you can give me specimens of them. I thank you for this offer & shall be very glad to have them. If I can give you something in return, please let me know it.

Expressing once more my sympathy

in your loss, I am
yours sincerely,

A. Roman.

Rathdrum.

7.7.26. Megachile centuncularis ♂
Coelioxys acuminata ♂.
Odynerus trifasciatus ♂ N. bank at Avondale bridge.
Crabro aphidum ♂♂.
Foenus assectator at log!

13.7.26. Megachile willughbiella & versicolor ♀♀
former at bridge & latter at stump above viaduct.
And. minutula " path up hill " ♂♂.
with N. flavoguttata ?
Agenia variegata ♂ & ♀.
Odynerus trifasciatus ♂.
Pass. monilicornis ♀.
Crabro podagricus. under S. end of Viaduct.
Pomp. spissus ♀

8.7.27. Crabro capitosus near station.
Gorytes mystaceus ♀♀.
Pass. mon. & Psenulus pall.
Crabro clavipes & pod.
Lin. maculata

15.7.27. Meg. will. & versicolor ♀♀ at bridge
C. aphidum near st. & at bridge.
C. cap. pod. palmipes at stump.
Glypta guttorantha & similis.

11.7.28. Od. trifasciatum ♀ resting in hole in post of Av. bridge gate

Meg. will. found ♀ at bridge.

Crabro capitosus ♀♀ resting in pith of elder at gate of Av. bridge!

13.7.29. Meg. will. at bridge. M. centuncularis seen at stump on left bank near bridge.

Od. trifasciatum ♀ near bridge.

[thomsoni ?]

134. Hadrodactylus, sp. "H. femoralis Holmgr. (non Thom.) ♀, dark specimen. In the Swedish ♀ I have compared it with the face is black in the middle. H. femoralis Thom. is confusus Holmgr." A.R.

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Are these distinct & if so why do I not get ♀♀ of No. 139?

Roman replies:— "I do not think they are distinct, though I have taken neither myself, but I have a ♂ from the "Polish Corridor" with both face & hind tarsi pale, so I think these features are variable in colour". A.R.

139 from Stradbally, WA. 18.8.28.

140. Is this like your "Cteniscus phaeorrhoeus Hal."? When Morley overhauled the Haliday Ichneumonidae in 1913, he picked out two specimens & labelled them "phaeorrhoeus Hal." & one he designated as "type"; but neither of these has black hind legs (they are fulvous like the front legs) & one (not the "type") has the apex of the abdomen black. Neither could be the same species as I now send you for examination & there is nothing like this now in the Haliday coll. Roman replies:— "Your specimen is a ♂ of Exyston brevipetiolatus Thom. (Exent. triangulatorius Holmgr.). My "phaeorrhoeus" (only ♀) is a real Cteniscus, probably n. sp., more slender than the Exyston, with shining abdomen, no yellow on the face except the clypeus, the hind tibiae not yellow at the base & the red abdomen is narrower

140 from Clara, Wi. 29.7.29.

141. I suppose this is a Microplectron (Först. non Dlm. = Smicroplectrus Thom." A.R.) but which species please? It seems to agree, in parts, with all four of those mentioned by Schmied.! "It is S. Bohemani Holmgr. ♂. The ♀ is prettier, with more white. In U.S.A. this genus is known as Anderis Davis." A.R.

141 from Glenasmole, DU. 23.5.30.

142. Acrodactyla degener Hal., its cocoon & remains of its host! Bred by Dr. R. C. L. Perkins, in Devon, England. Is this not synonymous with Symphylus politus Först.? "Certainly! It has been reared numerously in Denmark." A.R.

142. Bred from spider: Paignton, Devon. R.C.L.P.

[END OF LIST sent to Dr. ROMAN, NOV. 1931.]

Note on No. 128!

Two days later I received a p.c. from Dr. Roman (dated Stockholm 16/11/31) in which he says re. No. 128:- "I am afraid the fulvipes you sent is radialis Thn., for I just observed today the 3 ♀ in our Swedish collection belong to 2 spp. & the 2 first of them are radialis. Your specimen was like them, specially in the proportion of the antennae, where the basal flagellar joints are about as long as broad. Our 3rd Swedish ♀ has dark antennae with strongly transverse joints & that I suppose is the real fulvipes."

NB. All my ♀♀ I had named "fulvipes" have the basal flagellar joints reddish & about square, so all therefore are evidently radialis & not fulvipes. A.W.S.

About a fortnight later I received another p.c. from Dr. Roman, dated 27 Nov. 1931, in which in reply to a query of mine he says that by "base of radius" Thomson always meant the part of 1st abscissa next ~~[illegible]~~ stigma. He added that in Ortho. fulvipes the 1st absc. of radius is weakly curved, the 2nd quite straight: also that such nerve characters were not always constant, e.g. that in Crat. fabricator the apex of radius is said to be straight, while in C. annulator it is said to be curved, but he finds this "rather variable". In his species Hadrodactylus rectinervis on the other hand he finds the character constant.

P.C. from Dr. Roman, dated, Stockholm 5/12/31: in reply to my sending of three species the previous week. These three species are as follows:—

No. 143. Plectocryptus tarsatus Bridgman. ♂♂ Cloghleagh Glen, Co. Wl.

No. 144. Cryptus moschator F. ♂ dark.var. (which I had run down as C. fibulator Grav.) Newcastle, The Murrough, Co. Wl.

No. 145. ~~Stenichneumon~~ Stenomacrus ventralis Hgn. ♂♂ & ♀♀ Powerscourt demesne, Co. Wl. 11. 11. 31.

Cont. on p. 101

29th November 1931. A beautiful day, with very hot sun, blue sky & gentle N-NW breeze.
Worked the ivy blossom on old road from Kilternan over the lead-mine ridge to Ballyman (E. of Scalp) Co. DU.
Most, except Dacnusa almost all, taken on S. slope of ridge on one bunch of ivy along E. ledge!

Vespa vulgaris ♀♀ abundant everywhere.
Hemiteles ♀.
Stenomacrus ventralis ♀♀ (about six seen)
" small black sp. 9 ♀♀ beaten out of bunch of ivy mentioned above, or near it.

Apanteles 2♀♀.
Dacnusa ♀♀ frequent.
Also the sp. of Braconid.
One Cynipid
Several small Chalcids seen but not taken.
The Proctotrypid.

6th Dec. 1931. A beautiful day, after some days rain & gales. Morning 11 till 1 pm.
Drove to Woodtown, via Fir House, Co. Dub., & walked up to Military Road, then to Killakee gate & up Mt Pelier Hill to the "Hell-Fire Club" on summit. On return down the old Woodtown road at 550 ft. alt. I beat 3 ♀♀ Pezomachus, 1♀ Hemiteles & several coleoptera (Dromius sp.) out of a couple of very dense bushes of Ulex europaeus growing in the ditch on sunny side of road: also hundreds of spring tails (Tom. minor & smaller species).

Dr. Roman's p.c. of 5/12/31 cont. from p. 99.
"Yest. I got your box & letter & have returned the box with a few Xmas presents for you. Your specimens were Plectocryptus tarsatus Bridg. ♂, Crypt. moschator ♂♂ F. ♂ dark var. and Stenomacrus ventralis Hgn. — the last one compared with the types. Among my specimens [sent] are Mesoleius segmentator & M. aulicus. I have doubles of several western Mesoleii, but thought it better to give you species you can find yourself. Isadelphus clavus

Dr. Roman's p.c. of 5/12/31 cont.

I find on fir trunks (Pinus sylvestris) in autumn & also hibernating under bark of the same tree. The questionable Hemiteles incisus Bdg. is not rare on birch trunks. Of Delomerista you have perhaps taken mandibularis Grav. with the slenderer & more long-pointed antennae. It occurs in this country with 3 different lengths of terebra, the shortest on spruce. ~~[illegible]~~ D. laevifrons does not differ in the terebra & occurs in June on juniper ...... — The Campoplex lapponica Morley records from Kashmir Issar in BM & it is quite another species.

...... In behalf of Diaborus [his new sp. D. inversus] I have had occasion to make acquaintance with Thomson's species. The result was that lituratorius, pallitarsis & frontalis may be reckoned as species: filipalpis belongs to lituratorius & nigrifrons to pallitarsis.

Pallitarsis-nigrifrons is not rare in northern Sweden & I have seen it also from the Silesian Mts. in Germany; it is a melanic variety. What Morley calls lituratorius seems to be pallitarsis, at least the form occurring in gardens on gooseberry bushes, for I have found it so myself. To these 3 species now

come two exclusively northern ones, both with the abdominal spots linear.

The labels on specimens sent by Dr. Roman are abbreviated thus:— "Lu. L. = part of Lapland. Nbt = coast province ~~of~~ E. of Lapland. Stm. = Stockholm. Torne Tr. = lake in N. Lapland. On its shore is the nat. park of Abisko." A.R.

9th Dec. 1931. A dull, cold, windy (W. wind) day, nearly raining!
Glade of Saggart, Co. Dn.
Ivy blossom over & nothing taken by beating.

13th Dec. 1931. A beautiful winter's day, with no wind & much sun!
~~Deer~~park, Powerscourt & the Maulin cliffs above same, Co. Wi.

Ichneumon on suspiciosus ♀ under bark of log.
Hemiteles sp. ♀ disturbed from moss on same log.

Also beat out of lichen-covered branches of birch trees ~~lichens on birch tree branches~~ on top of cliff at 1,000 (ca.) ft. alt. 5 specimens of the beetle Rabocerus gabrieli only ~~& 1 sp.~~ added to Irish list in 1929 by O'Mahony from Powerscourt demesne.

26th Dec. 1931. A fine "grey" day, with high glass. Bohernabreena & lower Glenasmole (as far as the upper dam), Co. Dub.
Beat some ivy blossom, still out, above Mrs. Doyle's & around fallen blocks of concrete.
Dacnusa ♀♀ frequent.
Stenomacrus ventralis? 1 ♀
No *Vespa* & no other hymenoptera seen.

27th Dec. 1931. A fine day, nearly all sunny, with N.W. wind (very strong N. of Bray Hd.: practically none at Greystones & along S. side of Head).
Left car at Greystones & walked over Bray Head to Bray, Co. Wi., with George & Hugh.
Many flies on sea-weed at high tide mark; a few beetles collected for O'Mahony; one dead *Ena obscura* shell shaken out of dead grass at foot of cliffs S. of cutting in rock near entrance to last tunnel on ry. which may have fallen down cliff or been thrown up by sea; but no hymenoptera seen.

1932*

January, like Dec. 1931, was a very mild month & after some gales & rain the week of 18th–25th was absolutely calm & the days mostly very sunny except for some fog or mist. Barometer extraordinarily high as well as temperature. One Crocus came out in front garden early in the month, but the next did not appear till 26th. Snowdrops were out from 18th & by 20th at least two of the red Saxifrages had several flowers (prematurely) open. Hazel ♂ catkins were seen by the Owenboy, just below ^ + Celandine at Kilmashogue bridge Reckett's factory on 17th: one bush well out & another just out: owing to flood I could not cross to look for ♀ flowers.

25th Jan. 1932. The poorest day of the week: rather bleak, strong SE to SW winds, after a wet night when a slight depression passed over.
With Palmer & D. K. Kevan (of Edinburgh) took bus to Malahide & walked to Portmarnock Pt. & round dunes (golf links) back by estuary & bus home. Mostly coll. marine molluscs on shore, but spent 5 minutes shaking Psamma roots on dunes & got one Braconid (Blacus suspiciosus Nees. ♀ ?) & Hemiteles ♀, as well as two species of Chalcids & some beetles for O'Mahony.

Collected some galls of Aulax hypochoeridis on dunes, & from these the flies & some Chalcid parasites emerged the following June!

Purple Crocus out on 1st Feb. 1932.

9th Feb. 1932. After a few days illness Hugh, our younger boy died of scarlatina, just a fortnight before his eleventh birthday. February was very dry & cold & the beginning of March the same, except for a slight break, with a depression about the 3rd.

13th March 1932. A most glorious day, after a few frosty nights & fine sunny days with E. wind. Wind cool, but not strong enough to matter.
Cycled to Enniskerry, where Hugh was buried, & spent the day in the marsh (between roads) & in the glen (Glencullen or Knocksink). Co. Wi. 11-30 till 4 p.m.
On the willows in the marsh (now well in flower) I only saw a few Honey Bees. In the glen I saw nothing until I reached the big willow bush on sandy cliff which faces the Raven's Rock & Annaghcreevy Wood (now felled). At this willow just as I got near it, a large insect like a ♀ Bombus flew away, but I was not near enough to be sure it was a Bombus. From 1.30 till 3.30 numerous Andrenas seen at this tree (mostly well out of reach). I believe all were either A. praecox or A. apicata & both ♂♂ & ♀♀ were seen.
Pezomachus ♀ taken on sandy cliff, with ~~Lasius~~ Formica fusca ♀♀ which were very active. P.T.O.

13th, ~~Feb~~ March 1932 cont. Glencullen cont.
One ♂ Meloë proscarabaeus taken with net.

25th March 1932 (Good Friday).
Barometer low & falling, very stormy (SE) but no rain: high mist robbed sun of all real heat & insects practically not to be seen.
Glencullen (for 1 mile above Enniskerry) Co. Wi.
Bombus lucorum 1♀ "sunning" herself: just out.
Andrena clarkella 1♀ on ♂ Salix on sandy cliff.
A. apicata 1♀ with net.
Andrena sp.? 1♂ seen on coltsfoot on sand flat; like A. apicata or praecox but might have been anything.
Lasius alienus?, abundant on sand flat & river.
Also took Clausilia laminata on right bank of river high up an old Salix caprea opposite the ruined cottage above sand flat.
Daisy took a Braconid (Earinus gloriatorius?) in woods just below sand flat.
Brought home about a dozen bored sticks from near where those containing Phidia aciculatus were taken in 1931. } From these a ♂ em. on 4.6.32 & a ♀ on 8.6.32.

27th March 1932. A fine day, strong S.W. wind, warm, with low & falling barometer (? middle of a depression). Very few insects out; though much sun.
Ballyhenry quarry, Co. Wi. 11-30 till 2.0 pm.
Bombus terrestris 2♀♀ seen. B. lucorum ♀♀.
B. jonellus several ♀♀ at willow up glen & 1♀ at gorse.
Andrena clarkella ♀ seen in quarry & ♂?
Other Andrena seen flying round tall ♀ willow in quarry (the only tree in bloom at this spot: other willows up glen well out). Meloë: several seen!
One small black ich. (? [illegible] ~~Hemiteles~~ sp. ♂) taken on bramble in glen.
Chiff-Chaff plentiful!

27/3/32 cont.
Deputy's Pass, Co. Wi. 2-30 till 4.0 pm.
E. side slope of pass, below old garden.
Two ichs taken & one ♀ Bombus heard!
♀ Cryptid = Habrocryptus porrectorius? small ♀ on Vaccinium, red, with white mark on head & antennae.
♂ Plectiscid or Tryphonid, black & reddish, small, with net.

30th March 1932. A showery day, after a depression.
Greystones =① — S. side of Bray Head =②, Co. Wi.
Noon till 3 pm. dull & later wet most of time.
Bombus terrestris ♀ seen at 1. B. lucorum ♀♀ at 1 & 2.
No other aculeates seen; except Apis mellifica at 1.
Thersilochus? sp.? 1♂ at Salix at 2, in "glen"!
Cynipid beaten off Salix at 1.
Aphidius sp.?: remains of ♂ in pool along old ry. at 2.

NB. The mollusk Paludestrina jenkinsi abundant with Limnaea peregra, Chara sp., &c., in drain at foot of "cliff" along old ry. at 2: ¼ mile S. of tunnel!.

31st. March 1932. A very cold day, NW & NE wind, rain in forenoon, dull & windy in afternoon.
Drove Fred Hollins to Leixlip in afternoon to look for beetles.
In Knockmaroon sand-pit, Co. Dub., took 1 specimen of woodlouse Platyarthrus hoffmannseggi in nest of Myrmica ruginodis.
Willow all well out along R. Liffey. In sand-pit, by Sandfords Bridge over the Rye Water, Co. KD. (E. of Carton!) took one specimen of snail Caecilioides acicula under small sunk stone. Lasius flavus? & Myr. ruginodis? the only hymenoptera seen!

2nd April 1932. A fine day, after two bad ones, cold NW & NE. winds, with heavy snow & hail showers in afternoon & evening.
Glenealy oak woods, S. slope of Carrick Mt., Co. Wi.
11-30 till 3 pm. Very little seen though some hot sun.
[Left car at Glenealy school & walked up lane from church to oak wood, now being cut down to plant with conifers by Forestry dept. An appalling crime in my opinion! East of lane the oak-wood is still untouched & includes some beautiful ground for insects.
Saw Bombus lucorum several ♀♀.
B. agrorum 1 beautiful fresh ♀ on Vaccinium flowers some of which were well out.
Took one ich: Orthocentrus ♂ in woods & a couple of Cynipids.
[Heavy snow showers & very cold on 3rd April (Sunday) after a hard clear frosty night.]

10th April 1932. A cold day with gale from N W & heavy snow & hail showers, but bright sunny intervals. Drove to Drumdangan (between Glenealy & Deputy's Pass) Co. Wi, then on to Deputy's Pass itself, where saw a fresh ♂ Holly Blue. Showers almost spoiled collecting & the gale made everything shy.

Drumdangan, where old lane crosses railway = 1. 1 to 2 p.m.

Deputy's Pass, N. side = 2. 2.30 till 3.30.

Bombus lucorum a few ♀♀ at 1 & 2. B. agrorum 1♀ at 1.

B. derhamellus 1♀ on Dandelion at 1.

Andrena praecox ♂♂ common at 1, sunning themselves.

A. gwynana 1♂ at 2.

A. lapponica 1♂ seen & 1 very fresh ♀ taken at 2.

Dolerus liogaster ♀ taken near tall ~~Spruce~~ "Spanish Fir" at first elbow of "avenue" at 2.

Stenomacrus sp. ♂, very like S. ventralis, taken on Vaccinium in side glen at 2.

Peacock Butterfly at 1. Holly Blue at 2

Meloë ♀ seen egg laying at 2.

[No sign of Swallows or Willow Wrens all day!]

15th April 1932. A fine day, with keen E. wind, some clouds. Took morning off (in lieu of Sat) & went to The Dingle, Co. Dub to look for Dolerus liogaster, but sunny intervals were very short & few insects flying.

Dolerus aeneus 2♂♂, 2♀♀.

Andrena gwynana 1 fresh ♀ sunning on stone.

Bombus lucorum a few ♀♀. B. agrorum 1♀. B. muscorum 1♀

Willow Wrens singing!

[17th April 1932. See page 116 →

20th April 1932. A cold day, but with much sun, spoiled by heavy hail showers in afternoon. Afternoon. Drove to Enniskerry, Co. Wi, but after a few minutes collecting a very heavy hail & sleat shower, which lasted half an hour ended collecting. Did not attempt any further collecting.

Beaten from Salix below chestnut tree

Pimpla (brevicornis??) 1♀, (? hibernated).

Empria tridens ♀. ✓RCLP.

[One Cryptid ? ich. ♀, hatched or came out of the Enniskerry logs in Killarney Fern case at home.

17th April 1932. A bright cold stormy (N) day & nothing flying: cloudy ~~of~~ on hills & to the south. Therefore drove north, with D. K. Kevan (Edinburgh) to Ballinter Bridge, on the Boyne above Navan, Co. M'E. Saw Bombus terrestris, lucorum & agrorum ♀♀ but no other hymenoptera.

20th April see previous page!

24th April 1932. A completely dull day after 11 AM, after a clear night & brilliant morning. Cold & windy N & E in forenoon; calm & mild after 2 pm. Drove, with Palmer, to Ballyhenry, Co. Wl, where sunny at 10.45 AM, but little out. Some ♂ Andrena seen flying round gorse & Palmer saw Nomada lucophthalma in the quarry. Also Bombus terrestris & lucorum ♀♀. Small White & Peacock Butterflies!

Then drove on towards Glenealy, Wl, & stopped at old sand pit in field 1/4 mile NE-E of Glenealy church, but no sun: one small ich seen in grass at stump but missed. Quite nice ground!

Next drove on to railway crossing at Drumdangan, Wl, but no sun, cold & windy. Saw Bombus lapidarius 1♀

24/4/32 cont.

for the first time 1932; also B. terrestris, lucorum & agrorum ♀♀. Palmer saw one ♀ Andrena by railway shed on probably A. praecox.

Finally drove on to Deputy's Pass about 12-30 & stayed till 4.45 but no sun though sheltered & mild. Many ichs beaten out of Fir, Holly, Hazel, Ivy &c.

Deputy's Pass, Co. Wl.

Bracon variegator? 11 ♀♀. Pimpla pomorum 1♀. P. elegans 5♀♀. P. maculator many ♀♀.	Beaten out of Spanish Fir tree (Abies pinsapo) at first elbow of avenue up wood: N.E. side of pass!
Hemiteles areator? 3 ♀♀ & others sp. Stenomacrus ventralis ♀♀, & ? other species Picrostigeus spp.? ♀♀. &c. &c. Antaeon brachycerum Dalman 2♀♀, 2 more missed on tray (1♀ given to Palmer)	All beaten out of oak, hazel &c on older oak wood at NE end of pass, beyond side 'glen'.

27th April 1932. A dull afternoon after a fine morning, due to approaching depression: warm in shelter but windy (SE) in open; few insects out.

Bohernabreena, Co. Dub.

1 = bluffs below chapel. 2. slopes opposite Mrs Doyle's below 1st reservoir.

Bombus terrestris, lucorum, agrorum & jonellus ♀♀ seen.
Andrena gwynana 1♀ on dandelion at 2.
Halictus (albipes or freygessneri) 1♀ on dandelion or daisy at 2.
Eupalamus oscillator? 2♀♀ beaten off willows at 2.
Orthocentrus radialis 2♀♀ beaten off willows at 1.
Campoplegid sp. ♂ & ♀, in cop. beaten off willow at 1.

Swallows, House & Sand Martins abundant flying over the Dodder at 1!
[Corncrake heard at Harold's Cross, Dub., on ~~31/5/32~~ 30/4/32 at 8 pm.

1st May 1932. A fine day, but dull with heavy misty clouds & SE wind in morning; clearing about 2pm, after which there was considerable sun.
Drove, with Palmer, to Killadreenan, Co. Wi, & stopped to investigate marsh & old sandpit a little west of Newcastle Church, where also is a very nice swampy side channel, full of Salix, draining into part of the Killadreenan channel -

1.5.32 cont.
Newcastle - Killadreenan, Co. Wi. 12-12.30 noon
One blink of sun!
Bombus terrestris (George!), B. lucorum, B. agrorum, B. lapidarius.
Andrena albicans ♂♂
Atractodes testaceus? ♀ swept in marsh.
Campoplegid ♀ beaten off Blackthorn in flower!
Proctotrupid

1.5.32 cont. Drove on to Deputy's Pass, Co. Wi.
Deputy's Pass, Wi, 1.30 till 5.0 p.m.
Bombus lucorum, agrorum, muscorum (Palmer!). ♀♀.
Psithyrus distinctus ♀
Vespa vulgaris ♀.
Salius [illegible] fuscipes ♀ (Palmer!)
Andrena praecox ♂♂ & ♀♀ (Palmer!). A. albicans ♂♂.
A. lapponica ♂ & ♀ seen. A. jacobi ♂♂ abundant at laurel
A. minutula ♂ seen, 1♀ taken.

Sphecodes divisus 1♀ in "garden".
Anthracon? sp.? 2♂♂ beaten off holly or hazel after tea.

P.T.O.

1.5.32 cont. Deputy's Pass, Wi, cont.

Amblyteles palliatorius ♀ (Blair) det. Salis.

Dicaelotus ? ♀

Phaeogenes several spp. beaten off holly, laurel &c.

Habrocryptus porrectorius ~~[illegible]~~ 1 ♀ on Laurel.

Campoplegids several spp. abundant on Laurel

Orthocentrus or Stenomacrus spp. Stenomacrus ventralis ♀ beaten but not kept.

Perilissus sp. 4 or 5 ♀♀ beaten

Rhogas circumscriptus 1 ♀ beaten.

Apanteles [illegible] ♀ beaten.

Aphidius sp. (? [illegible]) 2 ♀♀ beaten.

~~4~~3.5.32. First Andrena jacobi ♂♂ & 1 ♀, my first, seen in garden at 14, Clareville Rd, Harold's Cross, Dub.
First Apanteles hatched from cocoons sent by H. C. Huggins from plume-moth larvae from Seaton, Dorset. [Another ♂ out on 4.5.32.]
♂ Proctotrypid hatched from Enniskerry logs!

4th May 1932. A fine day, with keen NE breeze; sun very hot when out but mid day dull & afternoon only really sunny after 3.30 pm. Drove via The Dingle to Glen of the Downs.

The Dingle, Co. Dub. 2.15 till 3.0 pm. Very little sun!
Andrena albicans ♂♂ & ♀♀. A. jacobi ♂♂
Bombus lucorum only 1 ♀ seen. Halictus rubicundus ♀.
Dolerus oblongus? 1 ♂ in marsh where [illegible] caught & a few other sawflies seen in distance.
Hoplocampa chrysorrhoea ✓RCLP. 1 ♀ beaten off Blackthorn flowers.
2 ichn. 1 Campoplegid in "[illegible]"
1 in [illegible].

4.5.32. Glen of the Downs, Co. Wi, 3.30 till 5.0 pm.
Much sun! Collected at foot of glen along old mill race.
Bombus terrestris 1 ♀. B. lucorum, B. agrorum ♀♀ seen.
Andrena albicans ♂♂ & ♀♀. A. jacobi ♂♂ & 1 ♀ (running).
A. minutula ♂♂ & ♀♀. Almost all Andrenae on flowers of Wild Garlic.
A. subopaca 1 ♂ (A.W.S. 11/3/1937).
Nomada marshamella & N. bifida ♂♂ on Garlic, &c.
Halictus rubicundus 1 ♀.
Dolerus aeneus? 1 ♀
Blennocampa tenuicornis ♂ & ♀. ✓ RCLP.
Monophadnus pallescens ♀ ✓ RCLP.
Rhogogaster aucupariae. Common about Garlic &c.

P.T.O.

4.5.32 cont. Glen of the Downs, Wi, cont.

Pimpla turionellae, 1 dark ♂.

Homocidus ? sp. H. obscuripes 1♂. Promethes pulchellus 1♀.

Several [illegible]: 1 with red & black-tipped [illegible] abundant

apart [illegible] other [illegible].

Aphidius 2♂♂ & 1 other Braconid.

[illegible] Braconid ♂.

Several taken on this day labelled 5.8.32 instead of 8.5.32

8th May 1932. A variable day, with low & falling glass; fine along coast where an east wind kept the rain driven back against the hills. Heavy rain in Dublin & the hills almost all day.

Deputy's Pass, Co. Wi, (NE. side as usual). 12.30 till 5.0 pm.

Very little sun, but no rain & sheltered. Spent all time beating laurel (in old garden) & holly & the freshly leafed hazel, birch, beech & oak in the "oak wood" & around the old garden. Very few aculeates seen!

Bombus terrestris 1♀, B. lucorum ♀♀. B. agrorum ♀♀

B. hortorum 1 large worker (or? very small queen) on primrose.

Andrena albicans ♂♂ & ♀ in garden. A. jacobi ♂♂ at laurel.

Very many small Ichneumonids & Braconids taken in beating tray. [illegible] ([illegible])

Pimpla rufata ? ♂ off beech? P. sp.? 3 small [illegible]

P. inquisitor ?? 1 small ♀ on laurel with dark legs.

Stenomacrus vitalis ? ♀♀. S. sp. several [illegible]

Orthocentrus ♀

Picrostigeus ♀

Exochus several

Homocidus cinctus ♂♀ & [illegible] off oak & birch

H. flavolineatus ♂. off hazel or beech?

P.T.O.

124.

Deputy's Pass, W1. 8.5.32 cont.

? ♂♂ [illegible] of [illegible]?
1♂ [illegible] similar
1♀ [illegible] ? = Apanteles [illegible]
Gypsonoma [illegible] ? 2 ([illegible] Stelfox [illegible]).
Eclytus fontinalis 1♂, 1♀.

Braconids.
Meteorus 2 spp ♀♀ (albiditarsis ♂? [illegible])
Rhogas circumscriptus ? ♂ Apanteles ♀ (of decorus Hal.)
[illegible] 3 spp ♀♀. Rhyssalus ? 2♀♀ - or [illegible] ?
[illegible] or Euphorus intactus Hal. 2♀♀ ?
Aphidius ? ♂ (A. [illegible] ?) Orthostigma pumila ♂ 2♂♂
Dacnusa 2 spp (D. [illegible]) ♂
Alysia or Phaenocarpa flavipes? ♀♀
Ephedrus validus ♀♂
Trioxys of [illegible] 1♀ [illegible] [illegible] off [illegible] [illegible].
[illegible] [illegible] 2♂♂ 1♀

Stockholm May 5th, 1932. 1.

Dear Mr. Stelfox

SAORSTÁT ÉIREANN

Telephone No. :—
DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),..19.....

Original description of
Stenomacrus compressus Thoms.

Thomson, Opuscula Ent., p. 2636-7.

"6. S. compressus m: Niger, antennis basi et pedibus pallidis, postannello fere transverso. Long. 1 lin.

Obs. A praecedentibus [i.e. S. pusillus Holmgr] corpore parvo, capite thoraceque compressis, antennis apice subspiralibus, flagelli articulis discretis, pilosulis, 1:o triangulari quam 2:o subtransverso vix longiore, alis radio fere ante medium stigmatis egredienti."

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saorstát éireann

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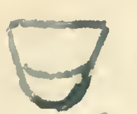
Stockholm May 5th, 1932.

Dear Mr Stelfox,

I am a little late with your list, but the box arrived when I had just lost my old mother (aged 84), so there were other things to think about for some time. Now that I am alone, your specimens have been a useful recreation in the evenings. Many thanks for your kind permission to keep them all. After having very soon broken one Glypta in looking at it, I put almost all specimens on new pins. All arrived in prime condition.

At the beginning I must give you credit for your good naming. The yellow Ichneumon-♂♂ are not easy, but you have succeeded with almost all. From my point of view the most interesting one of them is Amblyteles longigena Thn, of which Schmiedekn. evidently has a very hazy idea, for it is only in a note appended to his key. It is always to be recognized (♂♀) by the transverse impression of the scutellum  and the red tip of the hind femora, but the color of the scutellum varies ♂♀ from yellow to black. In Asia I have recognized it from Kamtchatka. Another interesting specimen is your Ambly. crispatorius L., where the yellow propodeum is very conspicuous in contrast with the dull red abdomen. I have only 1♀ (Upsala) with such a dark

66. Exochus prosopius ♂/♀ Rathdrum, Co. Wi. 6.8.25.

Correct.

67. ~~66~~. " pictus ♂/♀ Powerscourt demesne, Co. Wi. 10-9.30.

Correct.

68. " sp.? Bellevue, Co. Wi. 23.8.31.

E. prosopius Gr. ♂. Lower end of gena in your specimens with a little yellow.

69. ~~68~~. Orthocentrus sp.? 4 on one card! Beaten off Ivy blossom (Hedera Helix!). E. of The Scalp, Co. Du. 29.11.31.

Stenomacrus ? palustris Hgn ♀. First abdominal segm. narrower than usual & mostly polished, otherwise agreeing w. palustris.

70. ~~69~~. Stenichneumon culpator black ♀. Powerscourt deerpark, Co. Wi. 18.9.28. I have only seen two Irish ♀♀ with any trace of red colour on abdomen.

In Sweden the abdomen is rarely quite black, & the tibiae are ~~usually~~ ± redmarked.

Ready May 5th, 1932.

A. Roman.

abdomen. Perhaps it is this form that Wesmael called A. xanthius. Your Hoplism. maurus Marsh. is the darkest form existing of the not rare H. bispinat. Thbg. (perniciosus Gr.). In Sweden it has sometimes black legs, but never a totally black abdomen. Morphologically there is no difference. With us the smaller H. armatorius F. (albifrons Gr.) is commoner, & I have seen no intermediate forms, but from central Europe I will remember to have seen one. The H. maurus reminds me of another melanism I got from Rev. Johnson. It is a pair of an Exetastes (Rostrevor 2/7 30) coloured like E. nigripes Gr., but belonging to E. illusor Gr. Perhaps you can get specimens from him, if you have not found it yourself. The third remarkable Irish melanism I know of is the very dark Stenichn. culpator Schrk. you sent me, but this form has a wider extension. I have just had an English ♂ from the Fen region for inspection (sent by G. J. Kerrich, Cambridge) & possess a Swedish ♀ (perhaps a shade paler). In these melanisms & probably in many more your mild but nevertheless raw Gulfstream climate has set its mark. There is a corresponding fauna in E. Asia, N. Japan & the Amoor region. We have got a very good sample of it from the Vladivostok district, nearly 2000 Ichneumonids taken in 2 months by mr R. Malaise. I knew him before he travelled there, so when he took sawflies for his own part he remembered me & kept all Ichneumonids he secured at the same time. The general impression is that of a black-legged fauna, often with the whole abdomen black, too. I should think at least 1/3 of the species are European, but sometimes in colour forms difficult to recognize. It is evidently a coastal fauna, though extended pretty far into the country, but the interesting thing is that the climatic conditions resulting in such a dark fauna are partly the reverse to yours. The sea around Ireland is temperate all the year, at Vladivostok & N.W. Japan it is icy cold all the year. In summer you have too little sun, at Vladivostok there is plenty of it. Ireland has a moist climate all the year, E. Siberia mostly in spring & autumn, but in spring with violent differences between day & night temperatures.

As to Schizoloma it looks as if it had two kinds of ♂♂. For several authors mention both sexes of amictum without observing any difference in the form of the head. Thomson says he found it in plenty in one locality, but without expressly stating the sex. And of capitatum Dew-

Nr 39 is correct.

39. Ichneumon extensorius ? 1♂ ~~2♂♂~~. Herdstown, Co. Do. 1.8.31.

40. Amblyteles longigena Thu. ♂. This is the first European specimen I have seen outside Scandinavia & Denmark. Is near luctatorius L.

41. Habrocryptus minutorius ♂. Deputys Pass, Co. Wi. 24.7.29.

Correct.

42. " porrectorius ♂. " " " 19.7.29.

Correct.

43-44. Acroricnus (stylator Thunb. ~~macrobatus~~) ♂ & ♀. Clara, Co. Wi.
♂ on 8.6.26. ♀ on 12.7.26.

Correct.

45. Aphanistes ruficornis ♂. Glenmore, Co. WA. 29.7.28.

Correct.

46. Agrypon ~~sp. ?~~ stenostigma Thu ~~f~~ ♂. Kilcarry, Co. CW. 6.8.29.

Correct.

47-49. Schizoloma capitatum 1♂, 2♀♀. Monkstown, Co. MC.
Coll. M.S.D. Westropp.

We have no ♂♂ of Schizoloma. Our 2♀ (1 S. Sweden, 1 Germany) are like yours.

50-51. Leptopygus harpurus 2♂♂! "Pine Hill", Mourne, Co. Do. 20.7.31.

Correct.

52-53. Cremastus geminus ♂ & ♀. Kilgorman, Co. WX. 20.8.25.

Correct.

54-55. Homotropus pictus ? 2 ~~♂~~♀. A very common species but does not fit description of any species! From my garden in Dublin ♂ (12.6.31) & ♀ (8.7.31).

Correct. Compared w. type of pumilus Hgn.

there is no ♀ known. Myself I have never found this genus; it does not seem to extend northwards of the beech limit, & that ~~goes~~ follows in Sweden about the latitude 57° N.

Spring has come here, but it is still only early spring with few flowers & no leaves on trees & bushes. As usual here the spring is rather dry, as soon as we get a good rain, the leaves will come out at once. I am free from the Museum till Whitsuntide & intend to stroll a little in the environs on fair days. Insect life is awakening, first of all the hibernators, so I hope not to return empty-handed.

I found the backs of your list handy for answering & hope you will excuse this informal manner.

Yours truly

A. Roman.

P.S. I send you my last paper as sample post.

31. Ichneumon confusorius ♂. Kilkeel, Co. DO. 23.7.31.
Correct.

32. " terminatorius ♂. Arklow dt., Co. Wi. 2.8.25.
Correct.

33. " validicornis ♀ ♂. Arklow dt., Co. Wi. 3.8.25.
Correct. Found as far east as at Irkutsk in Siberia.

34. " gracilentus ♀ ♂ Ow Valley, Co. Wi. 4.8.29.
Correct.

35. " tempestivus ? ♂ Larne Harbour, Co. AN. 31.7.31.
I. albiger W. Tempestivus is only a ♀ var. w. yellow (not red) hind tibiae.

36 " emancipatus ? ♂. Glen of Imaal, Co. Wi. 31.7.27.
Ichn. insidiosus W. ♂ sec. Thoms.

37. " zonalis ? ♂. Cranfield, Co. DO. 23.7.31.
Amblyteles erratorius Thunb. (culpat. Gr.) ♂ var.
This is a var. of the real luctatorius L.

38. " suspiciosus ? ♂. Kilmalin, Co. Wi. 29.7.23.
Perhaps correct, for I cannot see the elevated costa ovalis, but the specimen is very like bucculentus W. ♂.

20. Hoplismenus "maurus Marshall", see Morley, appendix at end of vol. V, Brit. Ichneumons.
♀. Borrisokane, Co. NT. Coll. R.A. Phillips. 1.5.30.

Hoplism. bispinatorius Thunb., a remarkable black variety.

21-22. Automalus alboguttatus ♂ & ♀. Clara, Co. WI.
♂ on 29.7.29. ♀ on 25.7.30.

Correct, but the white decoration more reduced than in Swedish specimens.

23. Protichneumon fuscipennis ♂. Curracloe, Co. WX 29.6.30.

Correct.

24. Ichneumon lugens ♀. The Derries, Co. QC. 16.10.27
Under bark!

Correct.

25. " ligatorius (gradarius) ♂. Lunestown, Co. WH. 5.9.27.

Correct.

26. Tricholabus strigatorius ♂. Portrane, Co. DU. 31.8.28.

Correct, but ♀. In Sweden found to about 62°N.

27. Amblyteles crispatorius var. ♂. The Murrough, Co. WI. 4.9.27.

Correct, but mesopl. w. yellow spot w. black centre & propod. all yellow. All my ♂♂ have mesopl. without spot & propod. at most w. a spot on each side. x)

x) Abd. in your ♂ almost all red above. In my ♂♂ the middle is broadly yellow w. red incisures, tergites 5-7 black.

28. " quadripunctorius ♂. Deputy's Pass, Co. WI. 24.7.29.

Correct. Swedish ♂♂ have tergites 2 & 3 or only 3 w. a pair of very small spots.

29. " punctus ? var. ♂. Rathmullan, Co. DO. 3.8.31.

Ichn. gracilicornis Grav. ♂ var., possibly I. stenocerus Thn.

30. " castanopygus Steph. ♂. Portrane, Co. DU. 31.8.28.

Correct. Very rare in Sweden.

List of Ichneumonidae given to Dr. Roman April 1932
with his remarks.

1-4. Glypta nigrotrochanterata. 1♂ (? this sp.), 3♀♀.
from Cappoquin, Co. WA. 15.8.28. ♂ & ♀
Kilcarry Co. CW. 5.8.30. 2♀♀.
The ♂ no doubt correct. The same proportions of abd. & colour of legs. A melanistic var., but w. yellow stigma. Coxæ, troch.^{a} & abd. quite black.

5-8. G. "rostrata" 2♂♂, 2♀♀. Herdstown, Co. DO. 1.8.31.
Glypta bicornis Boie (rostrata Hgn), melanistic var. without frontal horns.

9-15. G. mensurator 2♂♂ (? this sp.), 5♀♀.
from Kilcarry, Co. CW. 6.8.29 1♂
" " 5.8.30 2♀♀.
Rathdrum, Co. WI. 13.7.26. ♂ & ♀.
" " 13.7.29. ♀.
Fenagh, Co. CW. 1927. ♀.

I see no reason to doubt the ♂♂.

The same sp. as N^{os} 1-4, but w. shorter ter. Resembles very much Gl. crassitarsis Thm, which has the ter. still a little shorter. Probably all are vars. of G. mensurator F.

16-17. Melanichneumon perscrutator ♂ & ♀. Rathdrum, Co. WI. 6.8.25.
Correct.

18. " sanguinator ♀. Upper Liffey, Co. WI. 2.9.27.
Correct.

19. Stenichneumon defraudator (v. of castaneus) ♀.
Clara, Co. WI. 23.11.30. Under bark of log!
S. castaneus Gr. w. white tip of scut. Your specimen has the femora more black than in Sweden, where they are sometimes quite red. The white scutellar tip occurs in Sweden too, but is probably commoner southwards.

Mr. Lucas's captures 1932.

Those without locality are from Timoleague, W. Cork.

Psithyrus campestris 2♀♀ of dark form (one from Co. Kerry 14.7.32.).

Andrena nigroaenea 1♂. A. jacobi 1♀.

A. fucata 2♂♂ 1♀ (1♂ from Bandon!).

Odynerus pictus 2♀♀ (one typical from Kerry, 19.7.32; the other pale banded).

Crabro leucostomus 1♀. Halictus albipes 2♂♂.

Pompilus nigerrimus 1♀.

Nomada marshamella 1♀. N. goodeniana 1♀.

N. ruficornis 1♂.

Tenthredella ferruginea 1♀ from Co. Kerry, 22.7.32. T. mesomelas 1♀.

Tenthredo arcuata 1♂, 2♀♀.

Selandria serva 1♀.

Hemichroa alni 1♀. Co. Kerry, 22.7.32.

Cimbex femorata ♀. Co. Kerry, 22.7.32.

NB. Specimens collected on 19th & 22nd June come from "at Cloonee by Lake Inchiquin, near Kenmare"

Cratich. fabricator ♂ & ♀. Ich. sarcitorius 1♂. Stenich. culpator ♀.

Alomyia debellator 2 red ♂♂. Pimpla instigator 1♂ bred from Plusia festucae!

Ephialtes tuberculatus 1♀ Co. Kerry. 19.7.32. Henicospilus ramidulus 2♀♀ (1 Co. Kerry, 19.7.32).

Aphanistes ruficornis 3♂♂ (Co. Kerry: 19.7.32). Schizoloma capitata? 1♀.

Opheltes glaucopterus 1♀, Co. Kerry. 19.7.32. Catoglyptus ? ♀.

Lampronota ? ♀. Lissonota ? ♂.

List of ichs given to Dr Roman: April 1932.

Glypta nigrotrochanterata ♂? 3 ♀♀ {Cappoquin, 15.8.28 ♂ & ♀
Kilcarry, 5.8.30. 2♀♀.

" rostrata 2♂♂ 2♀♀ Herdstown. 1.8.31.

" mensurator 2♂♂? 5♀♀ {Kilcarry. 6.8.29. ♂ ? nigrotroch.
" 5.8.30 2♀♀.
Rathdrum. 13.7.26 ♂ & ♀.
" 12.7.29 ♀. Fenagh: 27.9

Melanichneumon perscrutator ♂ & ♀. Rathdrum, 6.8.25.

" sanguinator ♀. Up. Liffey. 2.9.27. ♀.

Stenichneumon defraudator (v. of castaneus). ♀. Clara 23.11.30. ♀

" culpator, black var. ♀. Powerscourt Dble. 18.9.28.

Hoplismenus maurus Marshall ♀. Borriskane 1.5.30.

Automalus alboguttatus ♂ & ♀ } Clara 29.7.29. ♂
" 25.7.30. ♀.

Protichneumon fuscipennis ♂ ♀ Curracloe. 29.6.30.

[Ichneumon lugens ♀. The Derries. 16.10.27.] trs. to end

" gradarius ♂. Lanestown. 5.9.27.

Tricholabus strigatorius. Portrane 31.8.28.

Amblyteles crispatorius ♂. The Murrough. 4.9.27

" quadripunctorius ♂. Deputy's Pass. 24.7.29

" punctus ? ♂. Rathmullan. 3.8.31

" castanopyga ♂ Portrane. 31.8.28.

Ichneumon confusorius ♂. Kilkeel. Kilkeel. 23.7.31

" terminatorius ♂. Arklow dt. 2.8.25.

" validicornis? ♂ Arklow dt. 3.8.25.

" gracilentus?. ♂ Ow Valley 4.8.29.

" tempestivus ? ♂. Larne Harb. 31.7.31.

" emancipatus ? ♂. Glen of Imaal. 31.7.27.

Saorstát Éireann

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ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),..19.....

List of aculeates taken by Rev. Canon G. Foster at Donegal, W.P. = Aug. 1931.

Vespa rufa ♂, Halictus calceatus, 30♂♂, 27♀♀.

H. albipes, 2♀♀, H. freygessneri 1♀.

Andrena gwynana, 2nd brood, 1♂, 9♀♀.

A. coitana 3♀♀.

Nomada obtusifrons ♂ & 4♀♀, very small.

Salius exaltatus 1 small ♀.

Crabro varius 3♀♀.

Ichneumon zonalis ? ♂. Cranfield. 23.7.31.
" suspiciosus ? ♂ Kilmallin 29.7.23.
" extensorius ? 2 ♂♂. Herdstown. 1.8.31.
Habrocryptus ~~porr~~ minatorius ♂. 24.7.29.
" porrectorius ♂. 19.7.29.
Acroricnus macrobatus ♂ & ♀. } Clara. 8.6.26 ♂. 12.7.26 ♀.
Aphanistes ruficornis ♂. Glenmore, WA. 29.7.28.
Agrypon stenostigma ? ♂. Kilcurry. 6.8.29.
Schizoloma capitatum ♂, 2 ♀♀. Monkstown, MC. 1927.
Leptopygus harpurus 2 ♂♂. "Pin Hill", Mourne. 20.7.31.
Cremastus geminus ♂ & ♀. Kilgorman. 20.8.25.
Homotropus pictus ? ♂ & ♀. Harolds X, 12.6.31 ♂. 8.7.31 ♀.
" pectoratorius 2 ♂♂. Donaghadee, 4.8.31.
Thersilochus ? sp. ? ♂ & ♀. Portrane. 30.8.31
Plectiscus (cf tener Först) Devil's Glen. 26.10.30.
Chorinaeus cristator Downs. 1.7.31.
" flavipes ? Donaghadee. 2.8.31.
" 'longicornis'. Clara. 19.5.29.
Ophion mocsaryi (teste Johnson). Rostrevor. 31.5.31.
Exochus prosopius Rathdrum 6.8.25.
" pictus Powerscourt Dm. 10.9.30.
" sp. Bellevue. 23.8.31.
Orthocentrus 4 on card. E. of Scalp. 29.11.31. On ivy.

Deputy's Pass, Wl. 8.5.32 cont.

? 2♂♂, without areolet, of Mesoleius ?
1♂ with areolet similar.
1♀ Plectiscid ? ~~=~~ Aperileptus [illegible]
Gypsonotus [illegible] ? 2 ([illegible] Stiboscopus [illegible])
Eclytus fontinalis 1♂, 1♀.

Braconids.
Meteorus 3 spp. ♀♀ (albiditarsus ♂ ? ?)
Rhogas circumscriptus ? = Apanteles ♀ (cf. decorus Hal.)
Bracon 3 spp. ♀♀. Rhyssalus ? 2♀♀ - or Dolopsidea ?
Opius sp. - or Eubadizon intactor Hal. ? 2♀♀ ?
Ascogaster ? ♀ (A. distincta ?) Orthostigma pumila ♀ 2♂♂.
Dacnusa 2 spp. (D. [illegible] ♂
Aphidius or Praon flavinode Hal. ? ♀♀
Ephedrus validus ♀ ?
Trioxys sp. ? 1♀ at bottom! beaten off hazel ?, in oak-wood.
Colletes [illegible] 2♂♂ ✓ 1♀ ✓

9th May 1932. First sawflies emerged in breeding pots!
Pot A. Ex larvae on alder, Kelly's Glen, DU. 18.10.31.
2♀♀ Hemichroa crocea [another ♀ the following morning put on alder in garden]
Pot H. Ex green larvae with red dorsal stripe, on Salix, in Glencrealy oak-wood, Co. Wl, on 25.10.32.
1♀ reared, all green, ? of [illegible]
Apanteles sp. 1♂, ex plume moth, taken by H.C. Huggins at Isle of Wight.

Whit Week-end Holiday 1932.

13th May 1932. Left Dublin at 3-30 & drove to Duncannon, Co. WX, via Arklow, Enniscorthy & New Ross. Caught ♀ Empria tridens √RCLP. in car at Little Bray, Co. DU.; Aphidius ♂ in car somewhere in Co. Wicklow; stopped at bridge below Bay Cottage, 1 mile SW of Camolin, Co. WX, & beat Blackthorn flowers, which yielded ~~about~~ six 8 ~~[illegible]~~ hymenoptera:-
Chorinaeus talpa Hal.

Apanteles ♂
[illegible]

[Aphidius ♀ taken on [illegible] Mayfield, [illegible]]

14th May 1932. A misty day with strong southerly wind, but much sun in afternoon. Warm.
Drove from Duncannon to head of Barrow Bay & collected for an hour along edge of estuary at Nelson's Bridge (near Wellington Br.)
11-30 till 12-30. Nelson's Bridge: Co. WX. No real sun.
Andrena albicans ♂♂, 1♀ at Salix. A. praecox ♂♂ & ♀♀.
A. pucata 1♂. [A. minutula ? seen]
Halictus calceatus 1♀ on Salix. H. nitidiusculus ♀♀.
Nomada marshamella ♀.
Dolerus oblongus ? 1♂ in spiders web in marsh.
Hoplocampa rutilicornis √R.C.L.P. ♂. Empria pumila √R.C.L.P. 1♂.
Amauronematus (leucolenus ?). ♀ √ RCLP. Pontania sp. ♀ } "3 at Salix & Empria"
Probably 1 [illegible] sp. ♀♀ — Seen by Benson 1934, who apparently agrees!

14/5/32 cont. Next drove on to Kilmore Quay & spent the afternoon in Ballyteige Burrows, Co. WX.
Ballyteige Burrows: 1.30 till 5.0 pm.
Bombus lucorum 1♀. B. muscorum 2♀♀. B. derhamellus 1♀
Osmia aurulenta, very fresh ♂♂ & 1♀ on Viola curtisii & "canina"
& 1♂ on Taraxacum.
Andrena sericea ♂♂ very fresh.
Halictus rubicundus & H. calceatus ♀♀

Cocoon found in dunes, from which emerged a small ♂ Sphex lutraria on 14/6/32!

Ballyteige Burrows, WX, 14.5.32 cont.
Myrmica scabrinodis & ruginodis ♀♀.
Tetramorium caespitum abundant in at least six places in the dunes. New to IRELAND.
Dolerus picipes 1♂ in dunes on Bromus.
Pezomachus anthracinus ? 1♂.
Stilpnus or Atractodes sp. ?
Aphidius ♀.
Some beetles collected for O'Mahony
Bug: Stenocephalus agilis seen, 1 & 2 [illegible] commonly [illegible] [illegible] [illegible] from [illegible] [illegible] [illegible]
[In evening collected one ~~[illegible]~~ Meteorus & 1 Proctotrupid on Alexanders at Duncannon Fort, Co. WX.]

15th May 1932. Very calm, very warm, very dull: no sun till 7.30 pm: barometer low & falling all day. Very little flying & not more than a dozen Bumble Bees seen all day. All Co. WX.
Drove from Duncannon north-east via Haggard Bridge, Aughboy Bridge (2 miles E. of Sliev Coiltia), Cassagh, to railway between Berkely Forest Ho. & Ballyanne (on R. Barrow). Stopped to beat Salix by the roadside just S. of Aughboy Br. (=1) & here took an ick, a Picrostigeus ♀ on ~~[illegible]~~ alder. Next stopped S. of Cushenstown (=2) where took several

15/5/32 cont. - Co. Wx.

ichs at hawthorn (not in flower), sycamore flowers, or beaten out of spruce (1 sawfly (=L. abietinus!) & several small ichs!). Then drove on to railway & collected for several hours by stream &c, just above (slate quarry & cherry tree &c) & below (old road, blackthorn &c.) first of three railway bridges E. of Ballyanne (= 3). Drove on towards Pollmounty about 3.30 pm, E. to Ballywilliam station & stopped for an hour about half way down valley to Pollmounty, there good marshy land, Salix, &c, (= 4): here west of valley (opposite to railway) discovered two lovely sand-pits, practically disused, in mound of glacial drift, at about 250 feet alt.: drift largely granite with current bedded sandy beds (very important in view of J.K. Charlesworth's views that this is some distance south of the last glaciation. Very good ground seen about Pollmounty if only sunny weather could be met with!

Bombus lucorum a few ♀♀ seen at 2, 3 & 4
B. hortorum ♀♀ seen at 2 & 3. B. agrorum 1♀ at 3.
Andrena albicans ♂♂ at 2, 3 & 4, 1♀ at 3.
Halictus freygessneri 1♀ on Primrose at 2.

15. 5. 32 cont. - Co. Wx.

Sawflies:—

At 2 Lygaeonematus abietinus √R.C.L.P. ♂, beaten out of Spruce! Also 1♀ Dol. aeneus!
At 3. Pontania √R.C.L.P. spp. 2♂♂, beaten out of Salix by river
Hoplocampa chrysorrhoea √R.C.L.P. ♀♀ beaten off blackthorn flowers in old lane & also? 2 on Cherry blossom.
Pristiphora √R.C.L.P. sp.- 1♂, in slate quarry.
(seen, but [illegible] by [illegible] 1934!)

At 4 1 Dolerus [illegible] ♀ on grass.

[illegible] ? ♀ beaten off Alder at 1. [illegible] (potential of spruce!)

Pimpla ♂ (or ? [illegible]) [illegible] caught but escaped on heath at 4

Several seen at same place. 2.

Several at 3.

Prometheus laticarpus 1♂ at 3.

Pimpla turionellae ♀ on grass by railside at 4.

[On evening of 15/5/32 several Doleri ♂♂ & ♀♀ seen resting on grass along edge of cliff at S. side of Duncannon strand, Co. Wx. 7-30 - 9.0 P.M.
Dolerus aeneus ♂♂ & ♀♀. D. picipes ♂ & ♀. D. nigratus ♂.

16th May 1932. A beautiful day, warm & almost all sunny; some showers (? thunder) over the midlands; yet very few insects met with & in some places none to speak of. Most disappointing!

Left Duncannon, WX, at 10.30 A M & drove to Dublin via New Ross, Thomastown, Leighlin Bridge & Carlow: stopped to collect (or investigate) at

? see footnote on next page

1. Marsh just south of Dunbrody Abbey [nothing taken!] } Co. WX
2. Shore of estuary (on N. side) opposite Dunbrody Abbey & along boundary of Kilmannock Ho. estate. } Co. WX
3. Glen of the Clodiagh River (S. slope of Brandon Hill), 4 miles S.E. of Inistioge, Co. KK. Here much nice ground for later in year.
4. Sandpit in field between road & river about ½ mile ~~the mile~~ S. of Inistioge (opp. Woodstock), Co. KK. [nothing taken here].
4a. Also many stumps seen just south of same place!
5. Old quarry by road, near Legan, about 1 mile N. of Thomastown, Co. KK. Only species taken here was 1 ♀ Halictus nitidiusculus but very likely to produce more later in year.
6. Old sand pit in field, between road & railway, about 1 mile N. of Bennettsbridge, Co. KK. Sphecodes (small ♀) & small Halictus seen, but nothing taken here.

16/5/32 cont.

7. Railway at Maddockstown, at bridge ¼ mile S. of junction, Co. KK., near where I took Andrena fulva in April 192$^{5\text{ or }6}$. Only species seen here were Andrena albicans ♂♂ & a few Bombi.

11.0 to 12.0 A.M. (16/5/32) Shore at Dunbrody Abbey, Co. WX (= station No. 2)

Andrena nigroaenea, very fresh ♂♂.

~~G. [illegible]~~

Halictus punctatissimus ♀♀, (1 at gorse!)

H. leucopus 1 ♀.

Nomada (small ♂ (? ruficornis or leucophthalma))

Pimpla turionellae 1 ♂. Several other ichn.

Bombus lapidarius
B. lucorum.
B. agrorum
B. hortorum ♀♀.

[An ichn. & a Xylota ♀ in tube with no label may have been taken at No. 1, ~~Inistioge~~ at Dunbrody & so labelled!]

16/5/32 cont. Glen of the Clodiagh river, Co. Kilkenny = station No. 3!

1.0 till 2.30 pm.

Bombus lucorum, hortorum & agrorum ♀♀.

Andrena albicans ♂♂.

A. subopaca ? fresh 1 ♂ flying over bluebells.

16/5/32 cont. Glen of Clodiagh river, cont., Co. KK.

Nomada marshamella ♂. N. ruficornis ♂. at Sycamore.

Dolerus 2 ♂♂ (1 nigratus, 1 aeneus).

Mesoneura opaca ✓RCLP. ♀, lit on alder or Salix trunk in glen!

Tersilochus Ophionid ich. at Sycamore 3 ♂♂,

Two other ichs. including 1 ♂ Cteniscus 1 ♂ 1 ♀ bright-

20th May 1932. A warm damp day: rain till 2.0 pm. but fine & a little sun later.

Devils Glen, Co. Wi, 11.30 till 6.0 pm. with E.O'M.

Bombus lucorum ♀♀ & ? 1 ☿ seen at Vaccinium

B. jonellus ♀♀ at Vaccinium. B. agrorum a few ♀♀.

Vespa rufa & sylvestris ♀♀ at Vaccinium.

[No other aculeates seen].

Dolerus niger? ♂

Rhogogaster aucupariae by upper Lodge on Sisymbrium alliaria

Lygaeonematus laricis ♂, beaten at north Lodge (? out of an unusual conifer).

Many small species taken (in tube) sheltering under leaves of a beech tree just below the viewpoint of Waterfall, including 2 ♂♂ Aclastus ?, during shower!

All on beech tree.

- 2 ♂♂ Rhyssalus indagator Hal. [Orthotylus pumilio ? 1 ♂ and also one sand 3 ♂♂ 1 ♀, very like Typhlocyba but for long hind-
- Colastes braconius ♂
- Euphorus pallidipes 1 ♀ Rhogas circumscriptus 1 ♂
- Stenomacrus ventralis ♀
- Chalcids 1 ♀ & brachypterous (?)
- Aclastus ♂? 2 ♂♂

Many other ichs & braconids taken: —

Exenterus ? with reddish abdomen. Stenomacrus ventralis ♀♀, " palustris ♂♂ ♀♀.

Hemiteles, several ♂♂ at Sycamore leaves above fall.

Promethes cognatus 2 ♂♂. P. pulchellus 1 ♂ ... Bassus tricinctus 1 ♂

Eucoilid ?? 1 ♂ with long antennae & yellow banded abdomen ?, [illegible]

20/5/32 cont. Devils Glen, cont.

Pimpla turionellae ♂♂.

Xylonomus ?? 1♂ in glen (Conifers) with white banded tibiae.

Plectiscid ♂.

Mesoleius ♂.

Tryphonid with orange abdomen 1♂ & 1♀ (one of them on Vaccinium by the Z road).

Mesoleius — 4♂♂ flying over garlic near lower lodge at 5.30 pm.

Hemiteles spp. several beaten.

Stilpnus ♂.

Cratichneumon ♂♂ with reddish abdomen & banded antennae, common.

Alysia luteus ?? ♂♂ abundant.

Bracon gallicae ♀, with 29 jointed antennae.

Rhyssalus [illegible] 1♂ Aspilota ♀ — 1♀.

22nd May 1932. A dull, warm, day, with showers after 2 pm. [Heavy rain in Dublin & over the hills!]

The Murrough, S. of Newcastle station Co. Wi. 11.30 till 2 pm. No sun!

Bombus lucorum, muscorum (common), lapidarius, agrorum

B. derhamellus ♀♀ seen.

About half-a-dozen small sawflies (? Euura) & a dozen ichns beaten off Salix, Betula &c in the marsh, but practically nothing seen flying.

Orthocentrus radialis ♀ on block of stone in station.

Promethes sulcator 1♂ (carded).

22/5/32 cont. 3.0 till 5.0 pm. Roadside (lane) N. of Killoughter (leading to Ashford!), Co. Wi. Showery!

Bombus terrestris, lucorum, agrorum & hortorum ♀♀

Andrena jacobi ♀♀ seen by Palmer.

Many small ichs & braconids taken along hedges on sheltered side of road.

Brachypterus ♀ bred = Spilocryptus hopei!

Stenomacrus vitralis ♀♀ St. ♂.

Orthocentrus radialis ♀, in hedge.

22/5/32 cont. Killoughter Lane, Wi cont.

Homocidus pectoratorius 1♂.

Rhogas circumscriptus? 1♂, 43 jointed antennae.

Agathid ♀ on nettle in field. = Earinus gloriatorius?

Rhyssalus indagator 3 ♂♂ about beech.

Dacnusa

Euphorus pallidipes 1♂.

Apanteles sp.? ♂ & ♀? on one card.

25th May 1932. A showery day, mostly dull, with misty rain in hills.

Powerscourt demesne, Co. Wi. 3.0 till 5.0 pm. top of right bank of river 1/4 mile below deerpark gate: beating oak, alder, &c. Almost all taken at two large isolated oak trees in mid field & on alders near by.

Bombus lucorum & agrorum ♀♀ seen.

Andrena albicans 1 ♀ seen burrowing.

Nomada [illegible] 1 small dark ♂ beaten off oak.

Anteon [illegible]? 2♂♂, 4♀♀ beaten off alder. Anteon sp. 1♂ off alder or oak.

25/5/32 cont - Powerscourt dm. cont.

Nematinus lucidus ✓ AWS. 12/11/32

~~[illegible]~~ 2 (♂ & ♀) beaten out of oak at roadside.

?? RCLP. in letter of 27.1.33.

Empria (tridens var.) ♀ beaten out of isolated oak.

Pachyprotasis rapae ✓ 2 ♀♀ " " "

Dolerus picipes ✓ 1 ♀ " " "

Phyllotoma vagans ♀, ✓RCLP. beaten out of alder.

Pimpla brevicornis 1 ♀ beaten off oak.

Mesoleius sp.? 1♂ beaten off oak.

Acrotomus sp.? 2 ♂♂ " " " = {Anisoctenion triangulatorium Grav., fide G. J. Kerrich, Sept. 1950!

Exochus sp. & Orthocentrus ~~radialis~~ ?? 1 ♀ off oak.

Stenomacrus ventralis 1 ♀ & ♂♂ & ♀♀ of several other spp. all beat off oak. Homocidus pallipes? 1♂ Prometheus cognatus ♂, ♀.

3 small red "dirty" at oak.

Sigalphus sp.? 1♂. Apanteles 1♂

Euphorus picipes ♂? antennae broken off Phaenocarpa conspurcator 1 ♀

Aphidius (Praon) flavinode 1 ♀ very small.

Oncophanes ~~minutus~~ or lanceolator 1 ♀. = longicornis n. sp. mihi AWS. 3.3.1940.

Same as ♀ from Travalua, SL. 2.8.1938, q.v.

26/5/32 evening. Sunny. Thrinax macula ♀ at same spot as last year!

Diospilus oleraceus ♂ on Ellis's lilac tree. [illegible] "all lost"!

27th May 1932. A dull mild day, no wind & practically no sun.
Powerscourt deerpark, Co. Wi. with E. O'Mahony.
11.0 AM till 5.30 pm.
Spent the day beating, chiefly oak. Worked up west slope to the Maulin cliffs, over top of waterfall & down stream on right bank of river.
Bombus lucorum, Andrena albicans ♂♂ & ♀, A. fucata ♂? & Vespa sylvestris & vulgaris ♀♀ seen.
Anteon brachycerum ? ♀♀. A. cursor ? ♂♂ & ♀♀
A. spp 2 ♂♂. Most beaten off hawthorn & birch on top of the Maulin cliffs. alt. about 1,000 feet.
Few Braconids seen all day!
Colastes braconius 1♂. Sigalphus 1♀.
Clinocentrus sp 2 ♂♂
Rhogas circumscriptus 2. Meteorus 2♂♂?
Bracon (flavator ? / abjectus ?) 1♀
Ichneumonidae in great abundance, mostly beaten, but many also seen flying about the oaks & some then captured.
Eucerus albitarsus 1♂ beaten off oak below Maulin cliffs
Polyblastus ♀ [illegible], 1 [illegible] off oak = P. wahlbergi! [illegible] 1936. — J.F.P. in litt. 22/3/37.
Campoplex sp. abundant flying round oak.
Ophionid ♀ with black apex to abdomen at sycamore [illegible]

27/5/32 cont.: Powerscourt deerpark cont.:
Red Ophionid-like spp. abundant [illegible]
Aerostoma sp ? 2♂♂. black, yellow scutellum = {Anisoctenion triangulatorius Grav. fide G.J. Kerrich, Sept. 1950!}
Ctenis sp. 1
Plectiscus ? 1♂.
Homocidus pectoratorius huge ♂. H. pallipes 1♂. H. spp several ♂♂
Promethes cognatus ♂? & ♀? P. pulchellus 2♂♂.
Orthocentrus spp.
Stenomacrus ventralis ♀♀ abundant. St. spp various
Exochus ? ♀ off birch at 1000 ft
Pimpla turionellae & examinator ♂♂
Phytodietus sp. ♀
Lissonota ? 2♀♀. short borers.
Ichneumon [illegible] 1♀ under bark [illegible]

27/5/32 cont. Powerscourt deerpark cont.

Loderus vestigialis var. ♂ & 3♀♀. Dolerus nigratus 1♀. D. aeneus 1♂.

Tenthredella ferruginea, 1 black ♀.

Pteronidea poecilonota ✓RCLP. ♀ by river ½ mile below fall! {var. with sternum partly black. RCLP.

Trichiocampus eradiatus ♀. ✓RCLP. Hoplocampa rutilicornis ✓RCLP. 1♀

29th May 1932. A continuously wet day in Dublin & as far inland as Trim, Co. ME.; dull, warm & fine to the west of this place, with glimpses of sun in late afternoon. With Palmer.

Drove to Trim, ME., & collected for half an hour about the abbey at Newtown Bridge, below Trim. The "jam" over the coast however spread inland & heavy rain came on at 12.30 noon. After lunch, drove west through Athboy & into Co. Westmeath (= WH) to a derelict plantation (& garden) at Ballinlough Castle (N. of lake); then on to Delvin (& back to

Trim & Dublin); S.E. of Delvin we crossed a great bog, by an old road, between Ballyhealy Ho. on N., & Bracklyn Ho. on S.; along this road in places is much willow scrub & Vaccinium, where former plantations have been cut down. All taken at last place, where we spent a couple of hours, are labelled "Ballyhealy, WH".

Trim, Co. ME.; between the river & abbey above Newtown Br. Noon till 12.30.

Bombus agrorum & lapidarius ♀♀.

Dolerus nigratus ✓ ♀ with 2 wings [illegible] (bitten off), or [illegible] form.

Tenthredopsis ♂ Nematinus luteus ♀.

Hoplocampa pectoralis ♂ & 2♀♀ ♂ & 2♀♀, & Dineura stilata ✓RCLP. ♂, beaten off hawthorn.

& few others noticed.

[illegible] of 20 [illegible] along abbey wall.

Ballinlough woods, Co WH. 1.30 till 3.0 pm.

Bombus lucorum, agrorum & hortorum ♀♀.

Nomada [illegible] (Palmer)

Salius sp. (fuscus?) large specimen seen by Palmer on Sycamore.

Tenthredella mesomela 1♀ (Palmer). T. livida 1♂.

Dolerus aeneus, very small ♂ like those taken at Newtownforbes, Co WH in May 1929 & 30.

P.T.O.

142.

29.5.32 cont. Ballinlough, Co. WH. cont.

Pachynematus obductus v. conductus ✓RCLP. ♀ & Dineura testaceipes ✓RCLP. ♀, one swept
↑ one taken on rose! bush!
Pteronidea, n. sp. from Devil's Glen, Wi. "probably" R.C.L.P., 1♂ at Salix
= Pt. fuscarima Benson (fide RBB. 1934)!

Promethes laticarpus 3♂♂?: one of which is nearly all black! P. cognatus 9♂♂, 1♀.
Homocidus pallipes 3♂♂.

Anomalon 1♀

4 Braconids: Dacnusa ?litoralis ♂♀? Aspilota pallidipes 2♂♂.

29.5.32 cont. Sweeping on Ballyhealy bog, Co. WH. 3.30 till 5.30 pm.
Bombus lucorum, terrestris, agrorum ♀♀ } on Vaccinium
B. jonellus ☿☿ Bethylus quadricolor ✓AWS. 1♀. } (Palmer).
Andrena lapponica, ♀ on Vaccinium (Palmer).
Pamphilius betulae? ♂ beaten off birch.
Tenthredella ferruginea ♀ " "
Dineura virididorsata ? ♂♂ & ♀♀ abundant & 2 pairs in cop. beaten off birch.
Hoplocampa alpina ✓RCLP. 6♀♀ beaten off flowers of rowan (Pyrus Aucuparia). New to Irish list!

143.

29.5.32 cont. Ballyhealy bog, cont.
Dolerus aeneus 1♂. Empria klugi, large ♀. ✓R.C.L.P.
Pteronidea myosotidis ? ♀. Rhogogaster aucupariae ♂ ✓ RCLP.
Fenusa pumila ? ♀ beaten off birch.
Also some larvae (sawfly) seen on birch, just all green!

Only a few ichs. beaten: ? owing to freshening wind.
Homocidus pallipes ♀.
Campoplegid ?
Stenomacrus sp.? 1♀

Anteon brachycerum? 1♀ A. sp.? 1♂.

Five spp. of Braconids, & one Proctotrypid.
Meteorus ? (? pulchricornis). Blacus ruficornis ♀ { This ♀ agrees perfectly with one in Royal Scottish Museum (in Greville Coll., 1858-13) supposed to have been named by Haliday & given to Greville. Compared by AWS. 26/10/37.
Oenone hians 1 (? ♂ or ♀).
Aphidius ♂. Ephedrus validus? 1 very small ♀.

30th May 1930. A glorious warm sunny day!
Homocidus ♂♂ taken in garden, [illegible] till 5.50 pm.

Also 1♂ of black-bodied form of Homocidus cinctus in garden on 1/6/32, of which a ♀ was taken on 3/8/32.

1st June 1932. A perfect day in Dublin, but between Dundrum and Greystones a haze covered the sun & there was rain in spots during the afternoon.
Drove to Rocky Valley, Co. W1. arriving there at 2.45 & just after sun had been obscured. Saw the last of the bees come home to bed; then drove on to foot of the Glen of the Downs, Co. W1., where very warm & sheltered, & beat trees for half an hour.

Rocky Valley, W1.

Andrena cineraria fresh ♂♂ & 1♀. A. fucata fresh ♀
A. angustior 1♀ seen coming home laden with yellow pollen.
Halictus rubicundus
Pachynematus vagus ♀ swept in marsh between roads.
the rocks.
Strongylogaster lineata ♀ seen on bracken.

Glen of the Downs, W1.
Tenthredella livida very black ♀ beaten off beech.
Thrinax macula ♀ beaten. Pteronidea myosotidis ? ♀ beaten
Priophorus tener 1♂, beaten! = Nematinus luteus ♂!
Very curious ♀ ich, ? near Ischnus, beaten off lime by road ~~close to~~ below Barry's bridge: has raised face like the Orthocentrini & very elongate abdominal segments.
= Stenomacrus ? 2 spp.

ined!

ellan
5.6.29."

1. cont.
ff hawthorn?

ff lime or beech.
h mesonotum.
ff. ? 1♀.

t little sun owing
coast & W. wind

at top of Cronyhorn
and flat, mile
m. = 1 Spent
da grove & walked
= 2. Drove
ld road to Laragh
, 4-30 till 5.30 = 3.
f Salix cinerea 100
lesh flowers at same
insects beaten off oak,

Miss Scott's ichs

Smicroplectrus.
"S. No. 24. ♂ em. 4.5.32"
♀ bears no label!

another ♂ is labelled
"Par. on . . . . Willow, B'quet
Pup. 19.6.31. em. 4.5.32"
Red Mesoleius (near a Valentia ex).
is labelled.
"Em. 24.6.32. from Cladius!"

AN ROINN OIDEACHAIS
(Department of Education).

TELEPHONE: DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland).

SRÁID CHILL DARA
(Kildare Street).

BAILE ÁTHA CLIATH
(Dublin).

✓ = registered!

E. F. Bullock's captures
from Killarney district, N.K.
Returned 19. 11. 1932.

NB. In letter dated 3/12/32 Bullock states that the specimens labelled "Woodlawn" came from two weedy fields bordered by the R. Flesk & one of which was used as a cricket & football ground, across which are several cut drains.

Bethylus fuscicornis 11 ex.

Myrmica ruginodis ♂ & ♀. Lasius niger ♂, ♀ & ☿☿. Ballast-Pit. ♂ dated 9.7.29.

Leptothorax acervorum. ♀ & ☿☿. "Guitane. 6.32", "At Derrycunihy. 7.31. Under stone".

✓ Andrena clarkella 2♂♂. "Killarney: willow" "7 & 9. 3. 29".

Nomada rufipes 1♂, 2♀♀. ♂ "Woodlawn. 8.29"; ♀♀ "Mangerton 22.9.32".

N. marshamella 1♂, 3♀♀. Sphecodes divisus 1♀.

✓ N. hillana 1♀. "Woodlawn. 6.29." ✓ Crabro peltarius 1♂, 3♀♀. "Woodlawn. 8.29."

Mellinus arvensis 2♂♂. Crabro cavifrons 3♂♂.

✓ Nomada obtusifrons 2♂♂, 3♀♀. "Woodlawn. 6.29."

Pemphredon lugubris 1♂. "K. 7.30." ✓ Nomada flavoguttata 2♀♀. "Woodlawn. 6.29" & "21.6.30".

Crabro chrysostomus 1♂. Myrmosa melanocephala 1♂ "Woodlawn 6.29."

Crabro vagus 1♀. "Woodlawn. 7.30." C. cetratus 1♀. "L. side, Killarney. 6.7.30".

Lindenius albilabris 1♂, 5♀♀. First Irish correct record. "Woodlawn", 30.6.30 (♂), and "6.29", 23.6.29 (♀♀).

Odynerus sinuatus 1♂ + 3[illegible]♀♀. "Woodlawn 6.29" & "23.6.30".

Passaloecus monilicornis 1♀. "Woodlawn. 6.29".

P.T.O.

Halictus calceatus 1♀. H. albipes 1♂ 3♀♀. ✓H. tumulorum 3♀♀.

Crabro quadrimaculatus 1♂. Andrena coitana 1♂, 4♀♀.

✓Halictus villosulus 4♀♀ "Woodlaw 6&7.29."

✓H. nitidiusculus 1♂, "Ballast-Pit. 13.8.30." ✓H. leucopus 1♀. "Woodlaw 25.6.29."

✓Andrena saundersella 2♀♀. ✓A. subopaca 2♀♀.

✓A. minutula, 2nd brood, 2♀♀. "Woodlaw. 6.29."

✓A. marginata 1♂. "Woodlaw. 8.29."

Salius exaltatus 4♂♂, 1♀. Crabro palmipes (?) 1♀ — not registered!

✓Crabro varius 4♂♂, 1♀.

Sphecodes affinis 1♂, 2♀♀.

List of species from Killarney district
returned named to E. F. Bullock on 6/12/32.

Crabro dimidiatus, 5♂♂, 1♀. C. peltarius 1♂, 10♀♀, C. IV-maculatus, 3♂♂, 6♀♀,
Nomada hillana, 2♀♀, Crabro vagus 1♂, C. chrysostomus 5♂♂, 3♀♀,
Mellinus arvensis 4♂♂, Nomada marshamella ♂♂ & ♀♀,
Crabro clavipes 1♂, Nomada ruficornis 1♂, 2♀♀, N. flavoguttata 5♀♀,
N. bifida 2♀♀, N. obtusifrons 3♀♀, Crabro cavifrons 5♂♂,
Hylaeus confusus 1♂, Crabro cetratus 1♀, ✓Hylaeus minutus 1♂ "Gap of Dunloe 7.7.'29",
Halictus rubicundus 2♂♂, Andrena sericea 1♂, A. coitana 1♂, 3♀♀,
H. calceatus 1♂, 1♀, H. albipes 6♂♂, H. freygessneri 1♀,
Nomada fabriciana 1♀, Halictus villosulus 1♀,
H. leucopus 2♀♀, Andrena subopaca 1♀, Sphecodes divisus 1♂, 6♀♀,
Sph. affinis 3♀♀, Crabro tibialis 1♀, C. varius 5♂♂, 2♀♀,

[Lindenius albilabris 1♀ kept.]

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saorstát éireann

1st June 1932. A perfect day in Dublin, but between [illegible] and Greystones a jam covered the sun & there was rain in spots during the afternoon.
Drove to Rocky Valley, Co. Wi. arriving there at 2.45 & just after sun had been obscured. Saw the last of the bees come home to bed; then drove on to foot of the Glen of the Downs, Co. Wi., where very warm & sheltered, & beat trees for half an hour.

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A. angustior 1♀ seen coming home laden with yellow pollen.
Halictus rubicundus
Pachynematus vagus ♀ swept in marsh between roads. the rock.
Strongylogaster lineata ♀ seen on bracken.

Glen of the Downs, Wi.

Tenthredella livida very black ♀ beaten off beech.
Thrinax macula ♀ beaten. Pteronidea myosotidis ? ♀ beaten
Priophorus tener 1♂, beaten! = Nematinus bellus ♂
Very curious ♀ ich., near Ischnus, beaten off lime by road ~~close to~~ below Barry's bridge; has raised space like the Orthocentrini & very elongate abdominal segments.
= Stenomacrus ? 2 spp.

1.6.32 cont. Glen of the Downs, Wi. cont.

Homocidus flavo~~guttata~~ lineata (AWS. 20.3.33.) 1♀ beaten off hawthorn?
H. biguttata 1♀, beaten off beech?
About six other spp. of ich.: mostly beaten off lime or beech.
Promethes cognatus, 1♀. P. laticarpus ? 1♀ var. with black mesonotum.
Phygadeuon 4♀♀. sp. — 1♀. sp.? 1♀.
Cryptus 1♀.
Aspilota 1♀ Rhogas
Proctotrypoids 3 exx.

5th June 1932. A warm day but with little sun owing to a jam caused by E. wind along coast & W. wind over mountains.
Clara (vale of), Co. Wi. Left car at top of Cronybyrne woods & walked through oak wood to sand flat 1 mile below Clara Bridge, 12 noon till 1.30 pm. = 1 Spent afternoon about sand flat, the Osmunda grove & walked back up to car, 1-30 till 4.0 pm = 2. Drove home & stopped for an hour where old road to Laragh crosses glen of "Ballylug" brook, 4-30 till 5.30 = 3. At last station (3) most insects beaten off Salix cinerea 100 yards above the road; a few off mt. ash flowers at same place. At stations 1 & 2 most insects beaten off oak, or birch. P. T. O.

Clara cont. 5.6.32.

Bombus lucorum a few ♀♀ seen, 1 & 2. B. agrorum ♀♀ at 1 & 2

Vespa rufa ♀♀ at 1 & 2, 1 ♀ beaten out of birch.

Andrena cineraria ♂ seen during short sun birch by bridge at 3.

Dolerus aeneus ? ♂♂ at 1

Tenthredella ferruginea & atra ♀♀ seen on Salix at 3.

Pontania leucaspis ✓RCLB. ♀ (off birch at 1 ?): pale head! !

Pontania leucosticta 2 ♂♂ ✓RCLB. off Salix at 3; also 3 ♀♀ not seen by RCLB.

Several spec. beaten off birch ♂ at 2

Athalia lineolata 1 ♀ (✓ 5/3/32) swept by E.O'M. at 2.

Bethylidae. Several spec. including Cephalonomia beaten off birch & Osmunda glade at 1 & 2.

Ischnocerus seticornis 1 ♀ beaten off hazel bush at W. side of the Osmunda glade at ~~2~~ 1. Agrees exactly with the ♂♂ taken previously in Clara oak wood !!!

Several spec. of Polyblastus ? ♀ beaten by me, or swept off herbage by E.O'M. at 1 & 2.

Cratichneumon rufifrons ? ♂♂ & ? 1 ♀ at 1 & 2.

[illegible] scutellaris 1 ♀

P

Stenomacrus [illegible] 2 ♀♀ at 3. Stenomacrus [illegible] ♀ at 3.

♂ H. [illegible] ?

Promethes cognatus 1 ♂. P. pulchellus 1 ♂, (2 ♀♀)(?) P. dorsalis ? 1 ♂, with black vittae on femora beneath! all at 1.

Homocidus pallipes 1 ♂ at 1, & another ♂ at 3. H. biguttatus 1 ♂ at 3. } P. pulchellus 1 ♂ at 2 & 2 ♂♂ at 3.

(Later: these two ♀ may be laticarpus, var. with black mesonotum.)

Clara cont. 5.6.32

Campoplex black & yellow ♂ & ♀ beaten off oak at top of wood (1).

[illegible] sp.

Anomalids at 1 & 2.

[illegible] ? ♂ at 3. [illegible] 1 ♂ at 3.

[illegible] sp. ♂ at 3.

[illegible] ? 2 ♂ at 3. [illegible] 1 ♂ at 3. [illegible] at 3.

Microgaster globata ? 1 ♀ [illegible] ? 1 ♀ [illegible]

7th June 1932. A fine day after a sunny morning: sun bursts till lunch time, but quite sunless after 2 pm. A keen northerly breeze in morning; much warmer & W. wind later.

Plateau about the source of the R. Liffey, Co. W., ca 1700-1900 feet alt., with E. O'Mahony & Art O'Murnaghan!

"Liffey Head" 11.20 AM till 4.30 P.M.

Bombus lucorum several ♀♀ seen searching for nest site.

Dolerus aeneus ♂♂ & ♀♀. Blennocampa subcana ✓RCLB. ♂ / B. tenuicornis ♂ ✓RCLB. } swept along river!

Many ichneumonidae & braconidae, &c., collected on surface of pools & still alive!

Glypta parvicaudata ♂♂ abundant & several ♂♂.

[illegible] 1 ♂.

Lissonota magdalenae, ♀ in pool near "Crockan Pond (O'Mahony)

also ♀ 1 ♂ on pool near Liffey Bridge: this is clearly exactly the ♂ described by Roman!

7.6.32. Liffey Head, Wi, cont.
Cryptopimpla anomala 1♂, but ♀♀ common; some taken on open moors below Liffey Bridge by sweeping, others floating on pools' surface above bridge (E.O'M. & A.W.S.).

One ♀ black Ichneumon sp.
Several red & black Hemiteles? spp. & 2 black spp.
Stenomacrus spp. floating on pools.
Tryphon? or Ophion spp on pools.
Microctonus ♀♀ on pools. [= M. [illegible] Hal. ?]
[illegible] 1♂; [illegible] similar but [illegible] & long [illegible]
[illegible] affinis? ♀

7.6.32 5 till 6.15 pm. Scrub by roadside just below Kippure Lodge, Athdown district, Co. Wi. Mostly beaten out of oak or birch.

Tenthredopsis ♂.
Empria klugi ♂ & ♀. ✓RCLP. E. excisa ♂. ✓RCLP.
~~Homocidus~~ pallipes? 7♂♂. 2♂♂ Stenomacrus sp. 2♀♀ carded.
Mesoleius 2♀♀.
Sphecophaga vesparum 1 (? ♂).
Very small, dull, black ich. ? Tryphonid.
Hemiteles sp. ♀, red abd.
♂ Cryptid superficially like Exolytus

Microctonus sp. cultri? 1♀. Ephedrus [illegible] 1♀.

8th June 1932. Garden at Mayfield, Harold's Cross, Du. Crabro varius ♂♂ & ♀♀ first seen 1932
[Hatched out of sticks brought from Enniskerry, Wi on 1♀ Phidias aciculatus. Also 2 Mesoleius ex Pteronidea larvae from Ashdown Forest, Sussex.]

8th June 1932. 4.0 till 5.0 pm. Beaten off lime trees at foot of Glen of the Downs, below Barry's Bridge, Co. Wi.
[Homotropus pectoratorius? 1♀ taken [illegible] near Sandyford, Co. Du.]
Meteorus punctiventris? ♂ & ♀ taken in cop. M. [illegible]cornis? 1♀.
[illegible] 2♂♂, ? [illegible]
Microctonus caudatus, 1 very small ♀.
Aerodactyla degener ♀. Stenomacrus ♀.
2 [illegible] [illegible] 2 [illegible]

[11th June 1932. J. A. F. Palmer discovered a great colony of Andrena carbonaria in old sand-pit at Skerries station, Co. Du. a place we had long hoped ~~to~~ visit on a fine day! A.W.S.]

12th June 1932. A warm summer day at end of a good week, the 11th being absolutely perfect; but little sun in Glenasmole owing to an accumulation of cloud due to conflicting S.W. & E. winds. With Palmer

Slade Brook, Upper Glenasmole, Co. Dublin.

11-30 till 5.0 pm. Before lunch collected mainly on left bank of river up to the "gorge" = 1; after lunch mainly on right bank in shelter of ditch at top of the cultivated area = 2.

AM = 1
PM = 2

Bombus terrestris, [illegible] & lapidarius ♀♀, all rare.
Psithyrus sp. ♀♀ (Palmer).
Andrena lapponica ♀♀ frequent. A. fucata ♂♂.
A. subopaca ♀♀ at "[illegible]".
Halictus [illegible] ♀♀ seen, up to the gorge, on Potentilla.
Sphecodes ? hyalinatus ♀ taken by Palmer.

Tenthredella ferruginea typical & black form common in gorge ♂♂
T. balteata ♂♂ & ♀♀ seen.
Pachyprotasis antennata ♂♂ seen.
[illegible] bright green ♀ beaten off birch or Salix.
Selandria fürstenbergensis ✓RCLP. ♀ at 2.

Empria immersa ♂ ✓ & ♀ ✓RCLP. at 1, off Salix. Empria excisa ♂ ✓RCLP. at 1.

12/6/32 cont. Slade Brook, Du. cont.
Pristiphora pallidiventris ✓RCLP. ♂ at 2. Pristiphora quercus ♂ at 1.
Pontania leucosticta ✓RCLP. ♀ at 2; also a very large ♂ at 1. ✓RCLP.
? Euura saliceti ♂ at 1, ♀ at 2 (? var. of this: see RCLP. in letter 27.1.33)

Ichneumon [illegible] ♀ in gorge at 1.
Cratichneumon sp. ♂
Exetastes ? black & red legs ♂ ? on right bank of gorge, [illegible] white marks.
[illegible] ? sp. ? above corn ditch at 2; 2 ♂♂, 1 ♀(?).
Tryphon [illegible] ♂ at 2. [illegible] ♂ at 2.
[illegible] ♀ at 2. [illegible] ♂♂ at [illegible]

Promethes cognatus 1♂ at 2. Homocidus pallipes 1♂ at 1, 2♂♂ at 2. H. pictus ? 1 large ♂ at 1 with yellow on sides of scutellum.
Orthocentrus [illegible] ? ♂♂ at 2.
Many Orthocentrinae, ♂♂ & ♀♀ at [illegible] and tree in ditch at 2.
Also Braconids, all taken here & there, at 2.
Diospilus capito ? 1♂ at. Microctonus sp. 2♂♂ at 2. Bracon sp., 1♂ at 2.
Aspilota sp. ♂.
[illegible] ♂ at 2

15th June 1932. Still perfect summer weather.
3.0 till 6.0 pm. Deerpark at Powerscourt, Co. W.
with J. N. Halbert.

Very disappointing! Not many insects about – except numerous ♂ Cratichneumon round oaks, &c. Hardly any Hemiptera for Halbert where there were hundreds on 29th May.

Bombus lucorum ♀♀, B. hortorum 1♀ at foxglove, B. agrorum.
Andrena fucata ♂♂. Halictus fulvicornis ♀♀ seen.
Nomada seen (probably ruficornis).
Pyrrhosoma? spinosa 1♂ by mill race near source.
Arge ustulata 1♂? Selandria stramineipes? 1♀ Tenthredopsis red ♀.
[illegible] tenella 1♀
? some mistake L.W.S. 17.x.1933
Ischnoceros reticornis 1♂ beaten out of hawthorn flowers.
Pimpla maculator 2♀♀ (not kept) P. examinator 1♂.
Phytodietus [illegible] 1♀.
Cryptus [illegible] ♀, [illegible] Leptocryptus [illegible] 1♀

Catoglyptus fortipes 1♂.
Promethes sulcator 1♂.

Hemiteles? ♀

Kopf – Fühler
1 { [illegible] 3 gliedrig Kopf
[illegible] Adern [illegible]
an der [illegible] fast [illegible]
K. 5 gliedrig
2 { Das 3 Glied der Ant. mehr als [illegible]
so lang wie das 4. = [illegible]
3 Glied nur 11/2 mal so lang [illegible]
des 4 g [illegible]

*To________

Please note and return this paper to me with your remarks, if any, and in the case of Loans or Gifts with the usual receipt or Thank form.

Chief Clerk and Second Officer.

*Date*________

To the Chief Clerk.

---

y with E. wind; dull during
– & sunny from 3.30 onwards.
? noon till 5.30 pm., with
lanan & G. Roche, & F. O'Mahony.
road before lunch (=1) & below
ump & under Beech Fern

r muscorum ♀♀ only seen; ♀♀ & smaller
road on way up to fall at 1.
a below road to 2.
with last.
? associated with A. lapponica
also about though not seen.

livida at 2.
2. Empria klugi ♂♂. ✓RCLP. E. immersa 2♀♀ ✓RCLP.
. Euura (probably salicis) ♂ & ♀ ✓RCLP. in letter, 27.1.33.
♀ at 2. { P. clitellatus ♀ at 1 ✓RCLP. / P. ♂ of "xanthocarpus group." ✓RCLP.
red & black ♀ at 1; there I
ured ♀ "inornata"; but missed it.
t 1, on heather!
alis at 2.
[illegible] 1 red ♀, not kept. Habrocryptus alternator? 1♂ & 1♀

[illegible]

1. Keule der [illegible] 7 gliedrig – [illegible]
glashell, Adern schwärzlich, [illegible]
an der [illegible] [illegible]: [illegible]
K. 5 gliedrig = ?

2. Das 3 Glied der Ant. mehr als zwei-
so lang wie das 4. = [illegible]
3 Glied nur 1½ mal so lang wie
der 4 g. — [illegible] F.

*To ____________________

Please note and return this paper to me with your remarks, if any, and in the case of Loans or Gifts with the usual receipt or Thank form.

Chief Clerk and Second Officer.

Date ________________

To the Chief Clerk.

P. T. O.

= Nedinoptera Kieffer

Clidotoma subaptera Walker

Morley Ent. 1932, p. 133

Walker Ent. Mag. 1835 II, 117.

Diapriid.

Platymischus

dilatatus Walker

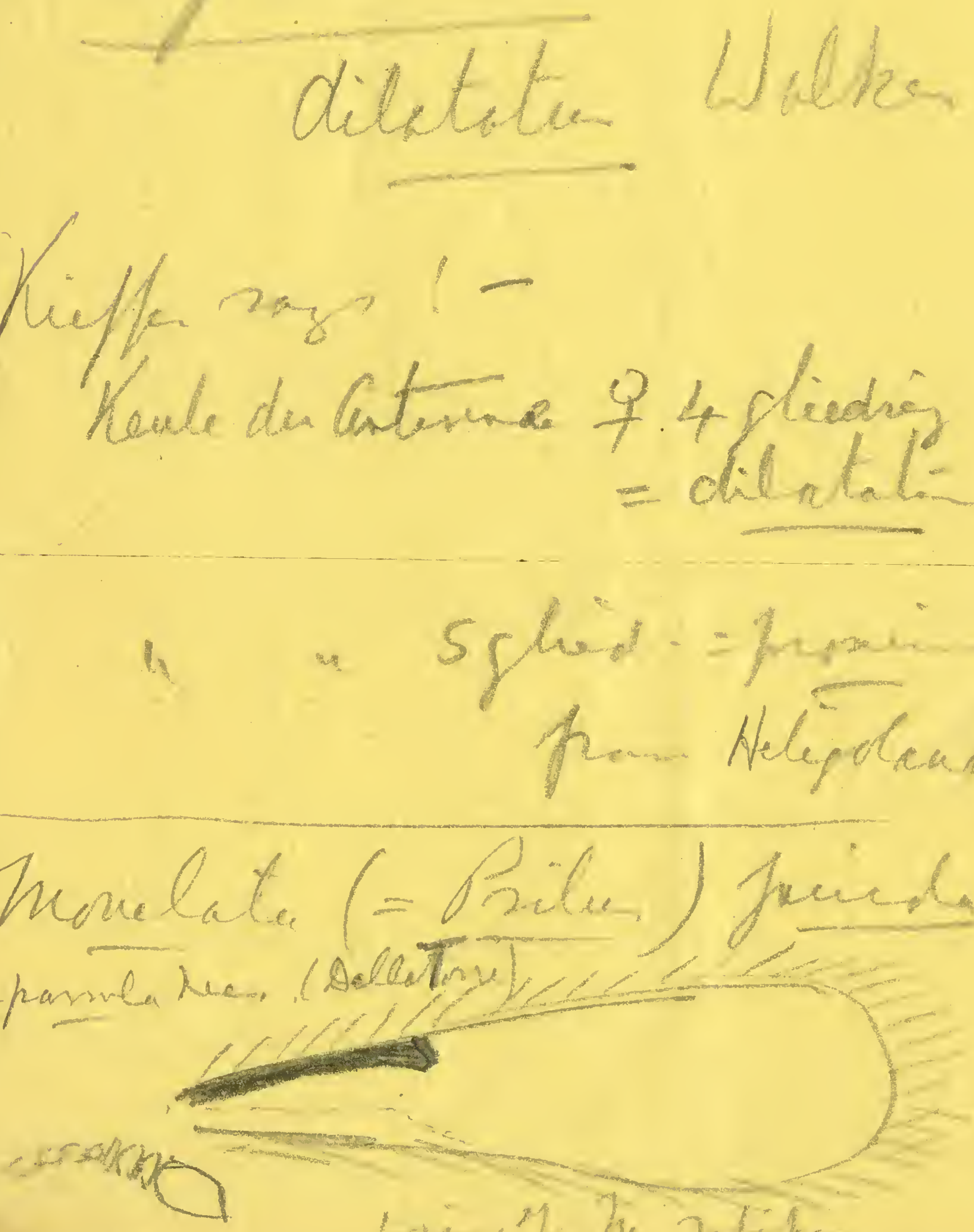
Kieffer says! —

Keule der Antennae ♀. 4 gliedrig
= dilatatus

" " 5 glied. = proximus K.
from Heligoland

Monelata (= Psilus) fuscula Wk.

? = parvula Nees (Dalla Torre)



wing of M. rufipes.

15th June 1932. Still perfect summer weather.
3.0 till 6.0 pm. Deerpark at Powerscourt, Co. Wi. with J. N. Halbert.

Very disappointing! Not many insects about except numerous ♂♂ Bratichneumon round oaks, &c. Hardly any Hemiptera for Halbert where there were hundreds on 29th May.

Bombus lucorum ♀♀, B. hortorum 1♀ at foxglove, B. agrorum.
Andrena fucata ♂♂. Halictus freygessneri ♀♀ seen.
Nomada seen (probably ruficornis).
Nysson spinosus 1♂ by mill race near source.
Arge ustulata 1♂; Selandria stramineipes? 1♀ Tenthredopsis red ♀.
[illegible] tenellus 1♀
Ischnoceros seticornis ← 1♂ beaten out of hawthorn flowers. ? some mistake L.W.S.-17.2.1931
Pimpla maculator 2♀♀ (not kept) P. examinator 1♂.
Phytodietus [illegible] 1♀
Cryptus [illegible] ♀, [illegible]   Leptocryptus [illegible] 1♀

Catoglyptus [illegible] 1♂.
Promethes sulcator 1♂. [illegible] 1♀

Cryptus [illegible] ♀

17th June 1932. A fine day with E. wind; dull during mid day but very hot & sunny from 3.30 onwards. Glenmacnass, Co. Wi. 12 noon till 5.30 pm., with Misses McKnowles, M. Buchanan & G. Roche, & F. O'Mahony. Collected above fall & by road before lunch (=1) & below fall, chiefly in Salix swamp & under Beech Fern cliffs, after lunch (=2).

Bombus lucorum, jonellus & muscorum ♀♀ only seen; ♀♂ of jonellus
Andrena lapponica beside road on way up to fall at 1.
A. subopaca ♂ nesting on slope below road to 2.
Nomada flavoguttata 1♀ with last.
N. ruficornis ✓♀ 1 at 1 ? associated with A. lapponica as no doubt A. fucata also about though not seen.
Dolerus piceus 1♂
Tenthredella mesomelas & livida at 2.
Selandria serva ✓♀ 1♂ at 2. Empria klugi ✓RCLP. ♂. E. immersa ✓RCLP. 2♀♀
Pontania at 2. Euura (probably salicis) ♂ & ♀ ✓RCLP. in letter, 27.1.33.
Pachynematus vagus ✓RCLP. ♀ at 2. { P. clitellatus ✓RCLP. ♀ at 1
P. ♂ of "xanthocarpus group". ✓RCLP.
Tenthredopsis ♂. & red & black ♀ at 1; where I also saw a toffee-coloured ♀ "inornata", but missed it.
Pristiphora pallidiventris ✓RCLP. ♀, at 1, on heather!
Pontania leucosticta ✓RCLP. 2♀♀, on Salix at 2.
[illegible] clitellata, 1 red ♀, not kept. Habrocryptus alternator? 1♂ & 1♀

17/6/32 cont. Glenmacnass, W1, cont.

Catoglyptus fortipes

Exyston cinctulus? & other sawfly parasites at: -

[illegible] 1♂.

Phygadeuon 1♂. Pimpla examinator 1 small ♂

Homocidus pallipes 1♂. H. obscuripes 2♂♂. H. bizonarius, 1♂ "var. 5" with yellow apices & abdominal segments. ✓ AWS. 23.3.33.
Promethes laticarpus? 1♂.

[illegible] small ♀, [illegible]. [illegible]

[illegible] var.? 1♀. Diadema? 1♂.

Apanteles sp. ♂. Microgaster globata 1♂. Proctotrypes

Aptesis [illegible]? 1 large ♂. [NB This species is usually taken under [illegible] at high [illegible]. [illegible] to Glenmacnass I [illegible]!]

19th June 1932. A fine sunny day, after a dull morning with strong E. wind. Drove J.P. Brunker & his friend Hudson to L. Owel ÖWEL., via Mullingar, Co. WH. Spent some time in afternoon examining H.C. Levinge's famous "Scraw bog" of Loughanstown (See I. Nat. vol. 3), where Pyrola rotundifolia is still abundant amongst the clumps of Salix: we did not see Carex paradoxa, though Brunker & Hudson did a good deal of "wading"; C. filiformis in full flower & with C. teretiuscula forming "meadows".
12 noon till 1.0 pm.; & 3.0 till 4.0 pm. Worked railway & shore of L. Owel, but chiefly the "cut-down" wood above the railway NNE of Church Island.

19.6.32. cont. L. Owel, WH, cont.

Bombus lucorum ☿☿ & ♀♀. B. agrorum, muscorum, hortorum & lapidarius ♀♀. Psithyrus campestris, 1 pale ♀ seen.

Andrena fucata ♂♂ & ♀♀, latter on Potentilla in wood.

A. subopaca ☿ 1♂ in wood, very worn.

Halictus albipes ♀♀, several seen. H. leucopus 1♀ seen.

Crabro tibialis ♂♂ in great abundance in wood; the only common aculeate.

Tenthredopsis 1♂

Tenthredo arcuata ♂ & ♀ taken by George in field by railway; the first seen 1932! Only ♀ kept.

Tenthredella livida & mesomela abundant in fields & wood.

Athalia 1 seen, not taken: first 1932.

[illegible]? 2♂♂ taken, ? on blackthorn in fields.

Ichneumonine, glossy red & black ♀.

Cratichneumon ♂♂ abundant in fields.

Pimpla oculatoria "var with darkish stigma" 1♀ on oak in wood. [NB. All oak in wood is Q. pedunculata]

Exyston cinctulus? 1♂. Exochus? Promethes pulchellus 1♀.

Catoglyptus fortipes 1♂. C. f. "black legs" 1♂.

Tryphonid? [illegible] 1♂.

Campoplegid. ca. 4 spp.

22nd June 1932. A warm day, but mainly cloudy!
Spent morning (10 till 12 noon) in Glensink (Glencullen)
above Enniskerry, Co. Wi. ~~Here J. A. J. Palmer~~
~~took one Tenthredo~~ [only Tenthredella temula! A.W.S. 24.6.32] ~~on the 18th June.~~
Very many insects seen ~~including one Tenthredo~~
~~(which not captured) but no doubt absence of sun~~
~~prevented me seeing more~~

Bombus agrorum & lucorum ~~♂♂~~ ♀♀ (& ? ♀♀.)
Andrena fucata ♀♀. Vespa austriaca 1 worn ♀.
Gorytes mystaceus ♂♂, & 1 fresh ♀ on bracken.
Nysson spinosus ♂♂ & 1 fresh ♀. Odynerus parietinus 1 ♂.
Tenthredella livida & mesomela abundant.
Strongylogaster lineata ♀♀.
Athalia several seen.
~~[illegible] seen~~
Dineura testaceipes ♀ ✓ RCLP.
Pamphilius 1 on bracken

Some insects taken in wood but most ~~around~~ below ruins of old house in open glades above the wood!

Delomerista (= Pimpla) 1 ♂, but ? where taken on oak near ruins below ruined house!
Meniscus catenator 1 ♀ amongst bracken.
Alloxysta debilitata red ♂. Ichneumon [illegible] ! 1 ♂. Hyponeura [illegible] ♀

22/6/32 cont. Glencullen, Wi, cont.
Promethes cognatus ? ♂.

Diptera: Neolamus cyaneus Lw. ♂ & Syrphus venustus Mg.
Bug. Pygopterna striatus taken just above iron gate.

24th June 1932. Very warm & sultry, strong W. wind, but
considerable sun. Clegs very attentive! 10 till 12.0 noon.
Glencullen, above Enniskerry, Co. Wi. as on 22/6/32, but
on this day all collected between iron gate at top of wood
& the ruined house.
Bombus agrorum & lucorum seen. Andrena fucata ♀♀ seen
on bracken; but ? sp.
Gorytes mystaceus 1 ♂ & ♀♀; 1 ♀ seen visiting "cuckoo-spit"
on bracken from the largest of which she hauled out the
Aphrophora larva, apparently stung it & then deliberately threw
it away. ? was it too young.
Nysson spinosus ♂♂ seen.

24/6/32 cont. Glencullen, Wi. cont.

Tenthredella temula, 1 worn ♀ apparently ovipositing on Rubus
T. ferruginea, typical & black form. ♂♂ & ♀♀. T. livida ditto.
T. mesomela. ♂♂ & ♀♀.
Blennocampa affinis ✓RCLP. ♀, on bracken. New to Irish list!
Selandria stramineipes ♀?

Pimpla (Delomerista) 4♂♂ on oak on by river flat.
Ephialtes [illegible] 1♀ on same oak.
Black Cryptid ♂♀ with white socks.

[illegible] to off. of Tryphonid, (Mesoleptus & Mesoleius?)

Calyptus tibialis? ♂.

DUNCANNON TRIP: JUNE-JULY 1932.

26th June 1932. A dull warm day, with W. wind. Left Dublin at 11 AM & drove to Duncannon, via Arklow, Enniscorthy & New Ross. Stopped at "channel", S of Inch, WX, where collected ~~two~~ one Braconid & one Chalcid, then to railway above Ballyanne, N. of New Ross, WX where collected ♂♂ & ♀ Athalia; also stopped at Scarawalsh Bridge, N. of Enniscorthy where colony of Colletes montanus on parapets of bridge in full swing, all specimens very fresh; visited road to ferry at Ballyhack, WX, & saw many tunnels of bees & 1♂ Hylaeus on Jasione (missed!).

Roadside, S. of Inch, WX. 1 p.m.
Aphidius ♂. ~~Dacnusa~~ Chalcid. ♂. [illegible]

Scarawalsh Bridge, Wi. 2 P.m.
Colletes montanus ♂♂ abundant, some ♀♀, evidently collecting pollen on Cow Parsnip.

Ballyanne, WX. 3.30 – 4.0 pm.
Athalia lineolata. ♂ & ♀ (✓5/3/33). Tenthredopsis ♀. Dacnusa [illegible] 1♂
Bombus agrorum ♀ seen. Vespa sylvestris ♀

Ballyhack, WX. 5.0 - 5.30 pm.
Hylaeus sp. ♂ seen on Jasione (~~like H. confusus~~ H. hyalinatus?!)
Ichneumon ♂.

27th June 1932. A warm day, mostly dull, but sun shining through now & then, especially in afternoon. Slight drizzle at times in morning.

10 to 12 noon, very little sun. Bay, cliffs & roadside, S.W. of Baginbun Head, WX.

Bombus lucorum & agrorum about 2 or 3, very rare.
Odynerus trimarginatus 1♀, several seen. O. pictus seen.
Pimpla maculator ♂. P. brevicornis ♂ & 2♀♀.
Acroricnus macrobatus ♀ on wild carrot.
Diaparsus ♂♂ & ♀. Also 1♀ dead in "Cuckoo Spit"!

Bracon anthracinus? & obscurator? ♂♂ on wild carrot. B. [illegible] ♀.
Agathid ♀. = Agathis sp.?
Dacnusa 2♂♂ = wet place amongst mint &c:
Euphorus pallipes?

Beetles for F.O.M. taken on grass weed at high water mark!

Tenthredopsis, 1 very dark ♀.
Pachynematus rumicis ♀, √RCLP., swept off dock on top of cliffs.

27.6.32 afternoon. 3.30 – 4.30. Coast between Arthurstown & Ballyhack ferry, WX.
Bombus agrorum 1 on foxglove; B. lucorum ☿☿.
Psithyrus barbutellus 1♀.

27.6.32 cont. Ballyhack, cont.
Colletes fodiens? 1♂ below cliffs.
Hylaeus hyalinatus ♂♂ & ♀♀ abundant; latter on Hypochoeris, Leontodon, Jasione, Rubus &c.
Halictus albipes 1♀. H. nitidiusculus ♀♀.
Sphecodes divisus 1♀?
Odynerus pictus ♂ & Chrysis ignita ♀ seen below cliffs.
Proctotrupes
1 beetle under stone below high water mark! Volucella bombylans ♂♂ & ♀♀

27.6.32 aft. cont. 4.45 till 6.0 pm.
Sand "dunes", at head of bay, Duncannon, Co. WX
Bombus lucorum 1♀, ☿☿.
Andrena sericea ♀, on Sedum acre.
Halictus nitidiusculus ♀♀ in lane (S. of bridge) to shore.
Pompilus plumbeus ♂♂ & ♀♀.

Glypta femorator? ♂. G. vulnerator? ♀ ([illegible])
Glypta bicornis v. rostrata 1♂. All amongst Rubus & nettles &c.
Mesochorus ♀.

Proctotrupes.

28th June 1932. A dull day, very warm & close with NW wind in morning, but a "jam" with drizzle & chilly E. wind in afternoon. No sun till we returned to Duncannon.

Drove to Haggard Bridge, 2½ miles E. of Duncannon, WX & collected in wood for half an hour. Then on to the Forth Mountain, where swept swampy ground & bad land. Finally to Ballyteige Burrows, Kilmore.

Wood near Haggard Bridge, Duncannon, WX. 10-30 - 11.0 AM.

Athalia cordata 2♂♂ (5/3/33) + small black sawfly! = R.C.L.P. Blennocampa tenuicornis ♀

Meniscus catenator 3♀♀ (1 on grass, 2 on rush heads)

Mesoleptus

Mesoleius

Aphidius ♂

Various Proctotrupid with long stalked abdomen.

Forth Mt., near Wexford, WX. 12 noon till 1.30.

Bombus agrorum & lucorum ♀♀. B. muscorum 1♀ on Erica tetralix

Amblyteles? ♂. Black, orange legs

Glypta ceratites? ♂♂♀. G. ~~monoceros~~ elongata? 2♂♂ (1 red, 1 black)

28.6.32 cont. Forth Mt., WX, cont.

~~Homocidus~~ Promethes ~~cognatus~~ pulchellus ♀

Sagaritis ♂

Bracon satanas 1♀. B. fuscicornis 1♂.

Several Dacnusids & Aphidius

Gyrocampa affinis 1♀? Perilitus

Ballyteige Burrows, WX. 3.0 till 5.0 pm. No real sun, chilly wind

Bombus lapidarius 1♀ seen.

Pompilus plumbeus ♂♂ seen.

Dicondylus pedestris? ♀ (M.D.S.) in hollow near marsh.

Pezomachus ♂♂ abundant with last:

Tetramorium caespitum, only a few workers seen.

Pezomachus 1♀ in hollow.

Perilitus ♂ (Blacus?) 1 ♀

Stilpnus

Several bugs collected in sand hollow, but no cimicoides seen.

29th. ~~28th~~ June 1932. A poor day after a brilliant early morning & though no rain till 1 pm very little sun after breakfast & little out. Increasing rain & wind after 3 pm.

11-30 till 12-30 noon. Alder-swamp & by stream above New Bridge, about 4 miles E. of Duncannon, Wx.

Bombus agrorum 1♀ on roadside; the only bumble seen all day

Andrena fucata ♂♂ in swamp & by roadside.

Passaloecus monilicornis 2♀♀ on gate post E. of bridge

Tenthredella mesomelas & livida common.

Athalia lineolata 1♂, 2♀♀ (✓ 5/3/33).

Platycampus luridiventris ♀ var. ✓RCLP. on grass in swamp.

Promethes sulcator 1♂? P. cognatus? 1♀.

Mesoleius

Glypta elongata 1♂ (not kept). ([illegible]!)

G. ceratites ? ♂.

Bracon [illegible] 1 [illegible] ♀. B. ♂? all black with [illegible] legs & [illegible] ... a melanic var. of B. [illegible]

29. ~~28~~ 6.32, cont. Ballyteige Burrows, Wx.

After 12-30 drove on to Park, west of Kilmore Quay, & following lunch, walked across "The Bank of the Cull", the embankment which spans the estuary, on to the sandhills where spent 2 hours in dripping rain. Saw much good ground on both sides of estuary!

Colletes montanus 2♂♂ clinging to flowers of spurge.

[no Bombi seen]

Ceropales maculatus 1♂ on Spurge: (E. Paralias).

Tetramorium caespitum abundant.

Myrmica scabrinodis on dunes, M. laevinodis on N. end of "Bank."

~~[illegible]~~

Apanteles ♀ } clinging to Marram Grass (Psamma).

Euphorus Perilitus }

Exolytus

30th June 1932. A fine sunny morning, after a heavy night's rain & gale; turning very wet again at 1 p.m. with gale & rain in evening.

Ballyteige Burrows, opposite Park, Co. Wx. 11.0 till 1.0 p.m.

Bombus muscorum 1♀ at Park (i.e. N.) end of the "bank"
[No Bombi seen on the sandhills!].

Andrena sericea 1♀ examined & released.

Colletes montanus ♂♂, rare.

Hylaeus ♂♂ abundant on stony flats &c. of those taken :- 1 was H. minutus & 1 H. hyalinatus!

Halictus punctatissimus 1♀ taken in flower of Cal. Soldanella on seaward slope of dunes. Very fresh!

Osmia aurulenta 2♀♀ seen.

Crabro wesmaeli abundant.

Tachysphex pectinipes a few only; 1 large ♀ taken.

Pompilus plumbeus ♂♂ & ♀♀ abundant. P. gibbus 1♂ taken

Ceropales maculatus common.

Odynerus trimarginatus, 1 ♂. on seaward edge of dunes.

O. pictus ♂♂ seen at S. end of the "bank". } on "bank of
Chrysis ignita abundant on wall, with the last. } the Bull."

Hedychridium ardens, several seen & one very large almost entirely green ♀ taken with the hand on great flat.

Tetramorium caespitum, Myrmica scabrinodis & Lasius niger common.

30.6.32 cont. Ballyteige Burrows, Wx cont.

Allantus cinctus 1♀ on spurge.

Chelonus 5 taken: many seen

Coelinius 2 spp. ♂♂ taken. = C. elegans ♂ 1 (Antrim ex Nelson) & C. [illegible] ♂? see p. 147

Homocidus pulcher 1♀.

Bassus varicornis ♀ on Heracleum at N. end of "bank"; also several Cryptids with last in morning & a few other species during a clearance of rain about 2 p.m. (kept separate) including an Mesoleius ♂. All other ichneumonids taken in dunes.

Spilocryptus small ♀.

Painted Lady & Red Admiral (usual) butterflies seen in dunes!

1st July 1932 A day of heavy showers & bright intervals with a moderately fine afternoon & very hot sun.
Drove to New Ross & down right bank of river to the scarp above the road N of the Pink Point, Co. KK where collected for nearly an hour between showers, then on to Glenmore, where terrific shower lasting nearly an hour, & on by devious lanes to Inistioge, passing west boundary of Woodstock demesne; next collected at sandpit on left bank of R. Nore, just below Inistioge, & at side of road a mile

1st July cont. Inistioge, &c, Co. KK.
below Inistioge; finally spent a couple of hours where main road to New Ross crosses the glen of the Clodiagh River (above bridge?), Co. KK. Very little out all day.

Cliffs above road, N. of the Pink Point, Co. KK. 11.30-12.30 pm.
Bombus lucorum
Colletes montanus? ♀ ♂♂ on Leontodon & Chrysanthemum leucanth.
Nomada lineola 1♂ at rest.
Andrena degenerata ♀ (?) Anoplius nigerrimus 1♀
Prot[illegible] on bramble 1♂, 2♀♀ (? same sp.).

Tenthredella livida seen.
Strongylogaster sp. ? 1♂, pale legs.

Cliffs very sunny
& had [illegible]

1.7.32. Plantation belt, S.E. of Woodstock, Co. KK. 2.0 pm.
Ichneumon (not lugens)? 1♀ with extraordinary swollen antennae!
Crabro chrysostomus 1♀ on Oenanthe crocata.
Athalia lineolata 1♀ (✓ 5/3/33).

1.7.32. Sand pit (=1) just below Inistioge; and edge of wood (=2) 1 mile below same place, Co. KK. 2.30-3.30 pm
Bombus lapidarius ? (or derhamellus). ☿☿ at 1.
Colletes montanus? ♀♀ on Reseda luteola at 1.
Megachile willughbiella 1♂ at 1.
Halictus leucopus 1♀ at 1.
Pompilus nigerrimus 1♂ seen at 2. Crabro 4-maculatus 1♀ at 1.
Gorytes mystaceus ♀ at 2, apparently chewing a dead stick like Vespa.
Sirex gigas ♀ on stump at 2, near road.
Dolerus niger, 1♀
[illegible] ♀ } at dead stump at 1, near road. see also p. 175 →
Several of each.
Scarlet beetle, sp. of Pyrochroa [illegible] at same place & [illegible]

1.7.32. Glen of the Clodiagh River, SW slope of Brandon Hill, Co. KK.
4.0 till 5.30 pm
Bombus agrorum & lucorum very rare.
Andrena fucata ♂♂.
Gorytes mystaceus 1♂.
Tenthredella livida & mesomela common.
Pachyprotasis antennata? ♂. Athalia lineolata 1♂? (✓ 5/3/33).

1.7.32 cont — Glen of the Clodiagh River, KK, cont.

Promethes cognatus, 1♀.

[illegible] ♀ [illegible] in [illegible] — [illegible]?

Bracon fulvipes? 1♂ " "

Sigalphus pallidipes ♂.

2nd July 1932. A fine day, cooler, but with almost a gale of wind from SW & no sun for 2 hours about midday.
Ballyteige Burrow, opposite Cork, Co. Wx 11.30 – 5.0 pm.
Collecting very difficult owing to wind & not much out except Pompilus plumbeus.

Bombus lapidarius 2♀♀ & 1♀ seen on sandhills.

Andrena fucata 1♀: Another ♀ seen may have been this or A. [illegible]

Halictus 1♀ seen probably H. punctatissimus.

Colletes montanus? a few ♂♂ & ♀♀ on Heracleum.

Hylaeus hirsutus 1♂ on Heracleum.

Astata stigma 1♂ in hollow near S end of the "Bank of the Cobb" & 2♀♀ about a mile west of this place.

Tachysphex pectinipes only a few seen: 1 on Heracleum.

Pompilus [illegible] 1♀ with spider.

" plumbeus ♂♂ & ♀♀ — profusion: 1♀ with large spider.

2.7.32 Ballyteige Burrow, Wx cont.

Oxybelus uniglumis ♂♂ in several places.

O. argentatus ♂♂ & ♀♀, a few each, in hollow with A. [illegible] ♀♀

Crabro wesmaeli common

Diodontus [illegible]? 2♀♀ in hollow near "bank".

Pezomachus sp. ♀♀ with Ants.

P. [illegible]? 1♂ & 1♀ (? same sp.) in dunes ♂, very slender, [illegible] on [illegible] on [illegible] N of the "bank" & ♀ [illegible] by George in sand hollow

Myrmica scabrinodis abundant. Lasius niger, only a few seen.
Tetramorium caespitum ♀♀ frequent & 1♂ taken by George — afternoon in hollow near S end of "bank".

[illegible] ♀ (? [illegible]).

Sunday, 3rd July 1932. Rain & gale all day from S.

4th July 1932. A warm day with misty showers & very strong S.W. wind.

In morning drove via New Ross to the Pink Point, Co. KK where on 1st July I had lost my pocket lens: spent an hour along cliffs west of road looking in vain for it & collected 2 Braconids & 1 Proctotrupid, 1 Cynipid & 1 Campoplegid ich.

Then drove up Barrow valley for shelter:—

1.0 till 5.0 pm. Oak-woods just N. of Pollmounty Bridge, Co. WX.

Bombus jonellus a few ☿☿ seen.

Psithyrus quadricolor ♂♂ common in woods.

[No other aculeates seen here though some good sunbursts!]

Tenthredella livida frequent. T. ferruginea, black ♀.

Selandria morio 7♂♂ & ✓RCLP. 1♀, all taken at oak in clearing.

Tryphonid & P. [illegible] ♂♂ abundant about bramble

[illegible] of ♀

Prometheus scutellaris 2♂♂, 1♀. P. laticarpus 7♂♂, 1♀ { more nearly typical than any Irish specimens previously examined! A.W.S. 27/3/33.

[illegible] 2 ♀♀.

Bombus lucorum 1 ♀ at bramble on road.

[illegible] 1 ♂

4.7.32 cont. Pollmounty, WX cont.

Braconids & Proctotrupids [illegible]

[4.7.32, evening. Colletes picistigma ♂♀ taken on sandy cliffs, E of village.]

5th July 1932 A fine day, spoiled by very strong & keen, SE-S wind. Considerable sun, sometimes dull though, & little flying.

Sandhills, Ballyteige Burrows, Co. WX.

1 = dunes near Kilmore Quay.

2 : bank of the Cull & dunes at S. end of same.

Bombus lapidarius a few ☿☿ at 1 & 2.

B. terrestris 1☿ on Ononis at 1.

B. agrorum seen at 2.

Andrena fucata ♀♀ at 1 & 2 in dunes.

Halictus ♀ calceatus? or albipes? by road side to 2.

Colletes montanus? ♂♂, in dunes at 1 & 2, ♂ by roadside to 2. C. picistigma 1♀ at.

Hylaeus minutus ♀ ♂♂ seen at 1 & 2: ♂ & ♀ taken at 1.

Pompilus gibbus 1♀ at 2. P. plumbeus frequent at 1 & 2.

Tachysphex pectinipes only 2 or 3 seen.

5.7.32 cont. – Ballyteige Burrows, cont.

Oxybelus argentatus ♂♂♀♀ at 1 & 2.

Crabro wesmaeli common at 1 & 2. [illegible] on Heracl[illegible] on bank at 2.

Odynerus pictus ♂♀ on Heracleum at 2.

O. trimarginatus ? 1♂ " " "

Chrysis ignita seen " " "

Hedychridium ardens at 1 & 2.

[illegible] [illegible] [illegible]

Ichneumon personatorius 2♂♀ at 1. Pegomyia [illegible] [illegible] ♂♂

[illegible] ♀ 1♂ 1. Campoplex [illegible]

~~[illegible] [illegible]~~ ♀ taken by George in sand hollow at 2.

Lissonota bellator 1♂ (1st seen 1932.) Glypta elongata, red ♂.

Banchus [illegible] ♀♀ on Angelica at 2. Sphinctus [illegible]

[illegible] ♀ [illegible] Chelonus [illegible] at 1.

Agathis nigra ? 2♀♀.

6th July 1932. A fine day, with heavy showers about, & not much sun; very windy (S) in Wexford, less so & W. further north.

Left Duncannon at 10.40 & drove home to Dublin via Wexford, Enniscorthy, Arklow, Woodenbridge &c. Stopped at Wexford sandpit, Edermine & Woodenbridge between showers, but very few insects out.

6.7.32 cont.

11.30 – 12.0 noon. Sand pit at N end of New Bridge, Wexford. Very windy, nothing out, but.

Halictus calceatus a few ♀♀ on Leontodon.

Bombus lucorum 1♂ (1st 1932) on Carduus arvensis.

Crabro palmarius 1♀ seen.

1 ant on sandy bank; and a black ♂, vol 1.
(= Plaesyrus?) ♀

12.45 till 2.0 pm. Marshy meadow, west of R. Slaney & S.W. of station, Edermine Bridge, Co. Wx. Very [illegible] [illegible]

Bombus agrorum 1♀ seen. B. lucorum (George!)

Andrena fucata 1♀, on [illegible] [illegible] tree after [illegible]

Athalia lugens 1♂ Attractodes [illegible] ? 1♂

Pimpla sp. 1♂. Glypta elongata ?? 1♀

Ctenichneumon [illegible] ? 1 Cubocephalus [illegible] ? [illegible] at Enniskerry, p.169.

Bracon sp. 1♀. Apanteles sp. 1♂.

Proctotrupid Dacnusid Agathid – 1♂.

2.30 – 4.0 pm Roadside just East of Woodenbridge, Co. W[illegible].

On Heracleum. Gorytes mystaceus 1♀.

Dryophila [illegible] (1st 1932).

Attractodes [illegible] ? 1♀.

Apanteles sp. 2♂♂.

9th July 1932. An oppressively hot day, with many clouds.
Garden at 14 Clareville Rd., Harold's X, Dub.
5.30 – 7.30 pm. Mostly at White & Black Currant bushes.

Currant Clearwing moth, 1. Gooseberry moth 1st seen 1932

Bassus laetatorius 1 ♀.

Homocidus 3 ♂♂.

Stenomacrus 3 ♂♂.

Glypta ceratites 1 ♂. Pimpla maculator 3 ♂♂.

2 ♂♀ [illegible]

Dacnusa areolator ♂♂ abundant in motor house.

Crabro varius ♂♂ & ♀♀ abundant.

Pemphredon shuckardi 1

Bombus terrestris ♂♂ on Thyme in front of house (also seen on 8.7.32)

B. lucorum ♂♂ & ☿☿.

B. agrorum ☿☿ on Erica cinerea flowers.

Pachynematus obductus$^{\text{vRCLP.}}$ ♀ & Pristiphora ruficornis$^{\text{vRCLP.}}$ ♂ on White currant bush.

[Megachile ~~mar~~ centuncularis ♂ seen at 10 AM on following morning!]

10th July 1932. A fine day, very warm, but dull after mid day (mostly) & rain in late evening: wind S.W.
Glen of Imaal, at Coan & Cannow, Co. Wl.
11.30 till 2 pm. by the Little Slaney above ford of Coan = 1.
2-30 till 4 pm (no real sun) by the Big Slaney above ford at Cannow = 2.

Bombus agrorum ☿☿ common, faded ♀♀, a few. B. lucorum 1 or 2. only.

Andrena tarsata 1 ♂ at 1.

Vespa rufa 1 ☿ seen at 2. Crabro varius? 1 seen at 1.

Tenthredella livida & balteata frequent at 1.

Tenthredopsis ♂♂ & red & black ♀♀ at 1; all near Salix.
" brown ♀ at 2, on Salix.

Rhogogaster viridis seen at 1.

Strombocerus delicatulus seen at 1, frequent on ferns.

Athalia lineolata $^{\text{1♂ taken (v 5/3/33).}}$ common at 1, 1 ♂ taken.

Pristiphora ~~fla~~ fulvipes$^{\text{vRCLP.}}$ ♀ on Salix at 1.

Glypta ceratites 1 ♀ at 1. G. elongata ♂♂ & ♀♀ abundant amongst rushes at 2: reddish!

Homocidus crassicornis (= brevicornis) 1 ♀ at same bush as ♂♂ taken on 28.6.31, at 1. H. pectoratorius 1 ♀ with last, at 1.

Bassus deletus small ♂ at Salix near last, at 1.

Erromenus 3 ♂♂? at same bush, at 1, as Homocidus.

Tryphonid ♂♂ common by stream at 1.

Campoplex ♂♂ " by stream & Salix at 1.

P.T.O.

10.7.32 cont. Glen of Imaal, Co. W. cont.

[[illegible] = 1 ; [illegible] = 2.]

2 [illegible] + 1 Opius? ♀ at 1

17th July 1932. A fine day, but very strong W. wind & some cloud: owing to wind & previous bad weather very little flying. [in Dublin & along coast, dull, with strong cold N.E. wind].

Drove to Monasterevan, Q. Co. & then SW, where collected a few species in lane along E. of Glenmalire Ho. (=1); then along Mountmellick road to Woodbrook House where collected in sandpit N.E. of same (=2) & in scrub close to canal bridge (=3); this place is about 2½ miles S.W. of Portarlington! & near Emo Park.

Bombus terrestris ♂♂ & ☿☿ common at 2. B. lucorum ♂♂ fresh ♀♀ & ☿☿ at 1 & 2, B. hortorum ♂ & ☿☿ at 2. B. lapidarius 1 fresh ♂ & many ☿☿ at 2. B. derhamellus 1 ☿ at 2 taken by George. B. agrorum ☿☿ at 1 & 2.

17/7/32 cont. Nr. Emo Park, &c., Q.C.

Psithyrus distinctus ♂♂ frequent at 1 & 2.

Andrena gwynana ♂♂ of 2nd brood at 2.

A. saundersella ✓? 1 ♀ at 2.

Halictus rubicundus & albipes ♀♀ seen at 2.

Nomada fabriciana 2 fresh ♂♂ at 2, with A. gwynana! 2nd brood.

Colletes succincta 1 ♂ on Leontodon at 2: very fresh & no more seen.

Hylaeus minutus ✓? 1 ♀, with black abdomen, on Carduus lanceolatus flowers.

Odynerus sinuatus small ♀ at 3.

Psenulus pallipes 1 ♀ on birch at 3.

Crabro varius ✓? ♂♂ at 3.

C. capitosus ✓? 1 ~~♀~~ ♂ on birch at 3.

Salius exaltatus ♂♂ & ♀♀ at 2, common.

Ceropales maculatus, 1 small ♂ at 2.

Myrmica scabrinodis, L. niger & F. fusca seen at 2.

Allantus arcuatus at 1 & 2. Athalia lineolata ✓ 5/3/33., 1 ♀ on carrot at 2

Pteronidea or Pachynematus ♂ at 2.

Tryphon elongator, ♂ ♀, at 1 & 3. First seen 1932.

Promethes laticarpus, 1 ♂, large & apparently typical! v. AWS 23.3.33.

P. T. O.

17/7/32 cont. Near Emo Park, Q.C. cont.
An extraordinary black & orange Braconid sitting on birch leaf taken at 3, = Proterops nigripennis Wesm.

18.629

Epimicta marginalis 7 specimens, both sexes ♂♀, taken on young oak in wood at Woodbrook Ho. just west of old entrance gate & between gate & canal & beside the road & ditch. Apparently both species above are new to Ireland, as there is no ref. to either in the Hal. MS. list of Irish insects!

18th July 1932. Evening! Garden at 14 Clareville Rd., Du.
Pimpla maculator ♂♂, Homocidus ornatus 2♂♂. Hemiteles ? 1♂
Cryptus with long ovipositor 1♂.
Dacnusa areolaris ♂♂ abundant ~~at~~ motor house windows
Crabro varius common. Odynerus parietinus, fresh ♀ seen.

19th July 1932 Evening! Garden at 14 Clareville Rd., Du.
Crabro ~~Th~~ clavipes 1♂ ♀ small on B. currant with C. varius!
Pimpla maculator? 2♂♂ with pale stigma. Homocidus ornatus 1♀
Glypta ceratites 1♀.
Dacnusa areolaris 1♀.

20th July 1932. A warm day, but showery & little sun. Drove to Glenmacnass & from top of fall ascended to cliffs of Tonelagee, above L. Ouler, Co. Wi. M.C.K. & M.B. with us. Swept two specimens, one each, of two species of Apanteles on slope S. of fall at about 1200 & 1300 ft. respectively. No other hymenoptera seen all day & vegetation too wet to sweep in later part of the day.

22nd July 1932. Evening! Garden at 14 Clareville Rd., DU.
Pimpla maculator 1♂. Phytodietus 1♀.
Perithous divinator 1♀ on White currant.
Homocidus ornatus 1♂

24th July 1932. Mainly dull, very windy & showers frequent! Fine & sunny in afternoon!! Spent 3 hours 10.0 AM till 1.0 pm. at extreme end of North Bull, Co. Du. Where J. N. Halbert took a single Psen unicolor on 7/8/1898. I saw very good ground for aculeates, but lack of sun & bad wind made the capture of Psen out of the question. With E. O'M.
Bombus muscorum ♂♂ & ♀♀. B. lapidarius ☿☿.
B. lucorum ♂♂ & ♀♀. B. terrestris ♂♂ & (? ☿☿).
One ♂ terrestris has complete tawny tail like a ♀ (no white!)
[No B. agrorum seen!]

In museum ✓

24/7/32 cont. N. Bull, Dn. cont.
Colletes picistigma 2 old ♂♂, 1 fresh ♀ on Hypochoeris.
Crabro wesmaeli common on spurge, &c.
Bethylus fuscicornis 3 shaken out of Psamma roots by E.O'M.

Cryptus viduatorius ♀♀ on Wild Carrot.

Bracon anthracinus ? 1♂ on Carrot & Ragwort.
Sigalphus caudatus 1♀ on Carrot.
" floricola ? 1♀ on Carrot.
Apanteles 2♂♂ of 2 spp., one with testaceous wings & [illegible] rather [illegible].

24.7.32 evening. Garden at 14 Clareville Rd. Dn.
Chaenon anceps 1♂ flying round top of large White Currant bush.
Pimpla maculator ♂♂ common. P. brevicornis ? 1♂.
Glypta ceratites ? ♂ & ♀♀.

Bracon anthracinus ? var. of ♀ with 27 joints antennae.

25th July 1932. A windy day, with frequent showers or "skiffs" of rain, warm, good sun-bursts.
Drove with Dr. C. B. & Mrs Smyth, & Miss Buckman to Ballinderry Crannoge, near Moate, Co. WH. to inspect section of bog & crannoge, excavated by the U.S. archaeologist Dr. O'Neill-Hencken. Stopped by streamside at Horseleap & collected on both sides of boundary stream, WH & KC, (= 1); then drove on to Ballinderry, WH (= 2); on return journey stopped at moraine S. of road at Newtownlow, Co. WH. for an hour (= 3).
Most from 1 station — all are labelled unless certainly from [illegible]

Bombus lucorum ♂♂ & ♀♀ at 1, 2 & 3. B. hortorum ♂♂ at 1.
B. agrorum ♀♀ at 1, 2 & 3. B. muscorum 1♀ at 2.
Psithyrus barbutellus ♂♂ on Knapweed at 3.
Ps. distinctus, ♂ on Angelica at 2.
Vespa sylvestris ♀♀ (? ♂♂) abundant on Angelica in marsh at 2.
Tenthredo "arcuatus" on flowers at 1, 2 & 3.
Athalia lugens on Angelica at 2.
Pteromalidae [illegible] 1 ♂♂ at 2. [illegible] 2 ♂♂ at 1.
[illegible] 1♂ at 1. [illegible] 1♂ at 1.

Stylocryptus profligator ? 2 ♀♀ at 1. Atractodes [illegible] ♂ at 1.
[illegible]

25th July 1932. Co. WH. & KC. cont.

Promethes dorsalis 1♀ at 1.

Pygostolus sticticus 1♀ at 3, Rhogas irregulator ♂♂ 2♀♀ [illegible] dark var.
[illegible] conjungens 1♀ at 3. [illegible] ♀ at ~~2~~ 3, [illegible].

27th July 1932. Very stormy, W-NW, very warm & considerable very hot sun. 2-30 - 4.0 pm.
Bellevue, Delgany, Co. Wi.
Bombus lucorum, agrorum, muscorum, hortorum seen.
Vespa sylvestris seen, on Heracleum.
Andrena coitana & denticulata 1♂ each.
Salius exaltatus common. Crabro vagus ♀♀ at stump.
Pompilus nigerrimus 1♀ on stump, seen.
No other aculeates seen!
Tenthredo "arcuatus" only rarely seen.
Ephialtes sp. large ♀ seen at stump, but blown away by gale.
Lissonota cylindrator ♂ seen to pounce on ♀ on nettle & copulation follow instantly: both captured.

27.7.32, cont. Bellevue; Wi cont.

Apanteles falcatus ? ♀♀ on Heracleum.

28th July 1932. A calm warm day & air full of insects. Inside top of tram I saw many hymenoptera including Mymaridae, but dare not catch more than one or two which were near me — even then kept under observation by fellow passengers! Also many small hymenoptera in garden of 14 Clareville Rd, Dub., in evening, including Chaenon anceps 1♂ clinging to leaf of Carex ampullacea! Dacnusa [illegible] ♀♀ abundant at currant bushes.

Bassus laetatorius ♀ in motor house.
Homocidus tarsatorius ♀ of the true species at Thalictrum "minus" (from Co. Clare).

28.7.32, evening, cont. Dublin cont.

One ♂ [illegible] [illegible] in [illegible] at [illegible] p.m.
[illegible] small [illegible] [illegible]
[illegible] in [illegible]

29th July 1932, evening. Garden, 14 Clareville Rd., DU.

Macrocentrus ♀, on White Currant where the Currant-Clearwing Moth taken several years; seen repeatedly to stab cut end of stem with ovipositor.

Bassus laetatorius ♀. Homocidus flavolineatus ♂.

Apanteles emarginatus Nees ? 1♀.

Trichiocampus eradiatus ♀ s RCLP.

31st July 1932. 10 AM. Garden, 14 Clareville Rd., DU.

Hemiteles areator ? ♀ on white currant bush.

31st July 1932. Very warm, strong W. wind, thunder in afternoon, heavy showers to N. but only skiffs with us. 11.30 AM till 4.30 pm.

Meeting of the Waters, Avoca, Co. Wi.

1 = taken morning on left bank of Avonmore & above the Castle Howard bridge.

2 : taken in afternoon: some on railway &c, some on Angelica beside railway on right bank of river above said bridge.

3 = taken in aft. on left bank of river above said bridge & below next-above on river. Insects from 2 & 3 not separated!

i.e. on left bank below 2nd bridge on Ry above Castle Howard bridge!

Bombus lucorum ♂♂ & ☿☿. B. lapidarius ☿☿.

B. agrorum ☿☿. B. muscorum ♂♂ & ☿☿ on Erica cinerea &c.

Psithyrus distinctus ♂♂ seen.

Andrena humilis, only a few burrows seen in path on left bank of river & main colony apparently over.

A. coitana 2♀♀ seen, one on Knapweed. A. tarsata 1♀ seen on Potentilla reptans.

Halictus rubicundus ♂♂ at 2.

Nomada obtusifrons 1♂ at 1.

Vespa austriaca ♂♂ common at 2, on Angelica.

Salius notatulus 1 large ♂ on bracken by river bank at 1.

S. exaltatus ♂ & ♀ seen at 3.

Cont.

31.7.32 cont. Meeting of the Waters, W1, cont.

Odynerus sinuatus 1♂ on Angelica at 2.

Crabro varius ♂♂ & ♀♀ at 1 & 3. C. capitosus ♂♂ & ♀♀ on oak at 1 & 3.

C. aphidum 2♀♀ on oak at N. end of rock bluff near Castle Howard gate (overhanging bend in river above railway bridge) at 3; taken at 4 p.m. after sun had gone in! One given to Palmer!

C. cavifrons, chrysostomus & vagus ♂♂ common on Angelica at 2.

C. clavipes ♀♀ at 1 & 3, on oak.

Formica fusca ♂♂ seen at 2.

Arge ustulata ♀ on Angelica at 2.

Pristiphora pall. var. denudata ✓R.C.L.P. ♀, at wall below hazel bush beside bridge where lane runs under railway at 2

Athalia many seen on Angelica at 2.

Strongylogaster lineatus ♀ at 1.

Tenthredo perkinsi? 1♀ at 1; many seen at 2.

Pimpla "inflata" 1♀ at 1.

Glypta nigrotrochanterata 1♀ at 2. G. ceratites ♂ at 2 & 3

G. evanescens 1♂ at 1.

Callicliscus hectica 1♀ at 1, on rock bluff.

31.7.32 cont. Meeting of the Waters, W1, cont.

Schizoloma capitata (?) 1♀ at oak at 3.

Bassus varicornis 1♀ at 3. B. tricinctus 1♀ at 3.

Hypomecus quadriannulatus 1♀ at 3, on oak with C. aphidum.

Amblyteles palliatorius ? 2♂♂ at 3.

Ichneumon large ♂ at 3, smaller ♂♂ at 1.

Pezomachus fasciatus 2♀♀ on oak at 3.

Mesoleius ?? black, at top of an oak by river at 1.

"Cryptus" tarsalis Poly. 1♂ at 1. Stilpnus at 2 or 3

Lissonota procerator 1 at 2 & 3.

Dacnusa areolaris ? 1♀ at 1. Opius [illegible] ? 1♂ at 1

Apanteles falcatus ? ♀ at 2 & 3. C. small yet black ♀ at [illegible]

2nd August 1932. A dull evening! Garden, 14 Clareville Rd., Dll.
Pimpla elegans 1 ♀ at red currant. P. [illegible] ? ♀ with last.
P. ~~examinator~~ maculator 1 ♂. [illegible] Clistopyga incitator 1 ♀.
[illegible]
Homocidus pallipes 2 ♂♂. [illegible]
[illegible]
[illegible]
Bracon triangularis [illegible] 1 ♂ [illegible]

3rd August 1932, afternoon. Very warm, sunny, windy!
Garden at Mayfield, 14 Clareville Rd, Dll.
Vespa germanica ☿☿. Odynerus parietinus 1 very large ♀ seen.
Crabro varius ♂♂ + ♀♀. C. clavipes 1 ♀ seen.
Bombus terrestris 1 fresh ♀ seen. B. agrorum ☿☿.
Cladius pectinicornis 1 ♂. Nematus [illegible] ? 1 ♀
[illegible] gnat with dark streak on wings!
Pimpla maculator ♂ & ♀. very small "P. examinator"? 1 ♀♂.
Bassus tricinctus 1 very small ♂.
Homocidus ~~[illegible]~~ 1 ♂. H. ~~[illegible]~~ H. cinctus, black form ✓AWS. 23/3/33! 1 ♀. H. fissorius 1 ♀.
[illegible]
[illegible] ♂ & 2 ♀♀.
1 ♀ with 26-27-jointed antennae
Bracon "anthracinus" 4 ♀♀ on White Currant bush next wall of street.
Apanteles glomeratus ♂♂ abundant. Dacnusa "stramineipes"? ♀.
[illegible] ♂ & ♀ [illegible]

4th August 1932, evening. Very warm, sunny, windy.
Garden at 14 Clareville Rd., Dll.
Halictus calceatus 1 ♂ on Sedum sp. in back garden.
[illegible] ♀. Promethes cognatus 1 ♀.
Bracon "anthracinus" ♀ with 27 jointed antennae. Apanteles [illegible] ♀ [illegible]

5th August 1932, evening. Warm & windy, some sun.
Garden at 14 Clareville Rd. Dll
Odynerus parietinus ♀ discovered to be nesting between sheeting & rafter of motor house roof & using the V joint of sheeting as a tunnel. Pristiphora ruficornis ♀ ✓ RCLP.
Homocidus ♂♂ & ♀ [illegible] spp. H. flavolineatus 1 ♂. H. pallipes 3 ♂♂, 1 ♀. H. pulcher 1 ♂, dark var.
Promethes pulchellus 1 ♀. Pimpla maculator 1 ♂ [illegible] 1 ♀
[illegible] 1 ♂ [illegible] 1 ♀
Apanteles 1 ♂ 1 ♀ [illegible] [illegible]
[illegible] 1 ♀ [illegible]

See also 8.8.32.

7th August 1932, evening. Warm, dull, no wind.
Garden at 14 Clareville Rd., Dll.
Dacnusa areolaris ♂♂ & ♀♀. [illegible]
Bracon [illegible] ♀. [illegible] 1 ♂. Opius sp. ♀
Promethes cognatus, 1 ♂, 1 ♀. Homocidus cinctus, 1 dark ♂. H. ♂
Pimpla [illegible] ? 1 small ♀. [illegible] ? 1 ♂
Nemeritis? ♀ Hemiteles ♂. [illegible]
Chalcids.

192.

7th August 1932. Dull till 1 p.m., then much hot sun, warm, strong southerly breeze.
11.30 AM. till 4.0 PM. Deputy's Pass, Co. Wi.
All collected on N.E. side of the pass from gate to glen & around old garden.

Bombus lucorum ♂♂, ☿☿, & old ♀♀ seen with pollen.
B. hortorum ♂♂ & ☿☿. B. jonellus ☿☿ on Wood Sage.
B. agrorum ☿☿ abundant.
Psithyrus distinctus & barbutellus ♂♂ abundant.
Ps. campestris 1 dark ♂.
Andrena coitana ♀♀ common on Knapweed, Ragwort, Rubus &c.
Halictus rubicundus 1 fresh ♀, no ♂♂ seen.
H. albipes ♂♂ & 1 ♀ seen.
Nomada obtusifrons 1 very fresh ♀.
Crabro vagus ♂♂ seen at stumps in garden.
C. varius or palmipes 1 ♀, not kept.
C. clavipes 1 large ♀. Vespa rufa ☿
Formica fusca ♂♂ & winged ♀♀. Pompilus nigerrimus 1 ♀.
Myrmica [illegible] 1 ♂.
Foenus assectator, large ♀ at stump bored by C. vagus
Athalia sp. seen.
Tenthredo "arcuata" seen.

193.

7.8.32. Deputy's Pass, W1, cont.
Dyspetes praerogator ♂. Tryphon brachyacanthus ♂♂ & ♀
Mesoleius ♂♂ & about 4 spp. of Mesoleius or [illegible]
[illegible] on oak. Homocidus pallipes 1 ♂. ♀

Campoplex large yellow & black ♀ [illegible]
[illegible] ♀ [illegible]

Pimpla maculator large ♀♀. P. iv-dentata $^{2♂♂}$ ♂ & ♀. [illegible]
Glypta evanescens ♂♂ common, G. [illegible] 1 ♀.
Schizopyga atra ? ♂. Phytodietus ♀
Lampronota [illegible] ♀♀ of the species!

Amblyteles palliatorius ♂♂. ~~[illegible]~~
Ichneumon spp. ♂♂ & 1 ♀. [illegible]
[illegible] 1 ♂. [illegible] ♂.

Plectiscus [illegible] ♂. Stilpnus gagates 1 ♀.
Blacus [illegible] ♀ with large [illegible]

Meteorus cf. [illegible] 1 ♀ M.

7th. Aug. 1932 cont. afternoon.

4.30 - 5.30 pm. "Donkey Quarry", Killoughter, Co. Wi.
Bombus lucorum & agrorum only seen.
Vespa vulgaris seen.
Halictus leucopus 1 ♀ seen.

Two very fresh "Small meadow Brown Butterflies" (tithonus!) seen!

Stenomacrus ♀.
Hemiteles? ♂.
Dacnusa areolaris 1 ♀.
Phaenocarpa picinervis 1 ♂ or conjuncta ?
} Swept by rivulet in field at bottom of channel.

7.8.32. Taken by M.D.S. & C.M.S. on shore at old Killoughter Station, The Murrough, Co. Wi.
Hemiteles? 1 ♀. One Chalcid & ? one Proctotrupid

Bundoran Trip August 1932.

9th August 1932. Very warm, W. wind, sunny in places. Left Dublin at 10 AM & drove to Bundoran, ED, arriving at 6 PM. Stopped 12.30 till 1.30 by roadside lane about 2 miles west of Edgeworthstown, Co. LF, & again 3.30 till 4.45 at Markree Castle, Co. SL.

Roadside, 2 miles west of Edgeworthstown, LF.
Bombus lapidarius ♂♂ & ☿☿. B. lucorum ☿☿.
B. hortorum several ♂♂. B. agrorum ☿☿. All on Knapweed.
Vespa vulgaris ☿☿.
About a dozen ichs, &c., swept along marshy field drain:— very poor ground!

Apis sericea 1 ♀ Allantus calceatus 1 ♂
Lissonota bellator ♀. Pimpla brevicornis ♀. Tryphon elongator ♀.
Promethes sulcator 1 ♂. P. cognatus 1 ♀. Homocidus ♂.
Pezomachus ♀.

Rhogas irregularis ♀. Apanteles
Dacnusa areolaris ♂.
1 Proctotrupid 1 Chalcid 1 Cynipid

9.8.32 cont. Marshy wood (most trees cut down) NE. of road, near Markree Castle, SL.
Bombus agrorum & lucorum ☿☿. Vespa vulgaris ☿.
Many ichs & Braconids caught in swept amongst Iris, &c. Opius ♂. Pentapleura pumilio Aspilota 2♀♀
Rhogas irregularis 1♀. Ascogaster sp.? ♂? (cf. ratzeburgi Marsh)
Pachynematus vagus VRCLP 2♀♀ (1 a var.) Pteronidea myosotidis 1 small ♂ VRCLP.
Athalia & Tenthredo off [illegible]. [illegible] ♀
Ichneumon suspiciosus ? ♀ on Iris. Exephanes occupator ♂ ♂♀
Stilpnus sp. ♀ Ichneumon sp. ♀ blk.
Promethes cognatus 2♂♂. P. sulcator 1♂, 1♀. ♂♀. Homocidus bizonarius 1♂.

[Stilpnus [illegible] of [illegible] Sligo 9.8.32]

9.8.32, evening. Coast at west side of bay, Bundoran, ED.
Pteronidea pavida? ♂♂ & ♀♀ taken with finger off a Salix bush at the harbour, where many young larvae.
Pontania galls on above Salix in dozens, looking like green berries where they had been avoided by the Pteronidea larvae of spring brood of above species.
[illegible] taken on same Salix
Pimpla? ♀ on [illegible] along coast

misty rain from hills (SE) at 9 P.M.

10th August 1932. Very warm, damp & mainly sunless.
11.30 till 12.45 noon. Sand dunes & dry stream bed at Finner, E. of Bundoran, G. ED.
Bombus agrorum ☿☿. B. muscorum 1♂ seen.
B. lucorum ☿☿. B. lapidarius ☿☿, very small.
Mellinus arvensis ♂♂ abundant on thistle.
Several small ichs, including 2♀♀ Bezomachus taken in dunes; the rest with Mellinus on thistles of stream bed.
Orgilus obscurator 2♀♀. Bracon fulvipes 1♀.
Rhogas irregularis? ♀
Cratichneumon ♂ 1♀ [illegible]
[illegible] ♂
Lissonota bellator ♂ L. commixta 2 ♂

10/8/32 cont. Afternoon wet (drizzle): evening very warm & still, dull. At 8.30 to 9.0 PM. found stone walls on cliffs beyond the West End, Bundoran, ED. crawling with beetles & here also ~~took~~ one small slender ich, which proved to be a ♀ Nematomicrus tenellus!

11th August 1932. Very warm, damp & dull, after a very wet night, some sun in afternoon, followed by terrific thunder storm from 7 PM till 10 PM.

Ants (Myrmica ruginodis & M. scabrinodis swarming!

11 AM till 1 PM. Dunes & cliffs &c at Tullan, E. of Bundoran, ED. Platycheirus [illegible] ? 1♀ (= [illegible])

Add – Bombus derhamellus, 1 fresh ♂.

Pompilus gibbus, 1 large ♀ on thistle. Pteronidea myosotidis ? ♀

Athalia & Tenthredo spp. common but not taken. Pristiphora pallidiventris ♀ var. ✓ RCLP.

Mellinus arvensis & Crabro ~~[illegible]~~ palmipes ♂ & ♀, latter at "quarry" on Coltsport.

[illegible] ? 1♀ Pezomachus [illegible] 1♀ Ichneumon [illegible] ? 1♂

[illegible] ♂ [illegible] ♂ [illegible] 2♀♀

[illegible] ? ♀

[illegible] small ♀ [illegible] ♀. Promethes laticarpus 1♂. P. cognatus 1♂, 1♀. Zootrephes rufiventris 1♀.

Bracon ♂ Dacnusa striatula ♂ ? [illegible] ♀

Orgilus obscurator 1♀.

Proctotrupes 2♀♀ [illegible]

11.8.32, afternoon. Drove to Bunduff Strand, Co. SL.

Collected for a few minutes in plantation at Castlegal Ho. (=1) then to dunes NE. of Bunduff Lough (=2) & on to outlet of Bunduff Lough (=3) & Mullaghmore (=4).

Bombus lucorum, muscorum, agrorum & lapidarius common.

B. hortorum ♂ & ♀ at 1 & 2. B. jonellus ♂♂ & ☿☿ at 1.

B. derhamellus, 1♂ at 2.

11/8/32 cont. Bunduff, Co. SL. cont.

Psithyrus campestris 1 fresh ♂, v. rossiellus.

Pompilus gibbus 1♂ examined. Strongylogaster delicatulus ♂♂, common at 1.

Abia ♂♂ & ♀♀ on carrot in fields at 2. & on Angelica at 3.

Homocidus flavolineatus, 2♂♂ at [labelled "Co. Bunduff"! [illegible]]

Apanteles [illegible] 1♀, fine beast! [illegible]!

Sigalphus caudatus? ♀ on carrot at 2. Dacnusa striatula ♂ at 2?

12th August 1932, morning. 11.0 till 1.0 PM. Very dull, cooler, almost raining, W. wind.

Sand dunes &c near cliffs, Tullan, Bundoran, Co. ED.

Ichneumon ♂ along cliffs: all others taken on thistles C. arvensis by dried up stream bed ¼ mile from cliffs, these ichs. &c in amazing numbers.

Mellinus arvensis ♂♂ & ♀♀ common.

Pteronidea myosotidis 1♀ ✓ RCLP. 2♀♀. [illegible] myosotidis 2♀♀.

Ichneumon ♂

Stilpnus [illegible] ♂. [illegible] ♂♂.

Pezomachus [illegible] 1♀. [illegible] 3♀♀

12.8.32 cont.   Finner, Co. E.D. cont.

Pimpla examinator 1♂. P. [illegible] large ♀. P. [illegible] 1♂, 2♀♀.

Phytodietus [illegible] 2♀♀. Lissonota 2♀♀ of [illegible] group.

[illegible] 2 ♂♂ [illegible]

Homocidus pulcher 2♂♂, 2♀♀. H. obscuripes, 1♂.

Promethes sulcator 1♀.

[illegible] testaceus ♂.

13th August 1932. Very warm, mainly dull, misty rain in forenoon, afternoon fine, heavy thunder & rain at 5-30 - 6-30 pm.

11-30 till 1.0 pm. Coast just north of Bundrowse, S. of Bundoran, Co. E.D.

A few Braconids & some ichs collected amongst boulders & Potentilla anserina just above high water mark

The Dipterid Platycheirus [illegible] abundant on boulders & [illegible] 1♂♂, 1♀ taken.

Atractodes [illegible] 1♀.

13/8/32 cont. Coast at Bundrowse, E.D. cont.

Homocidus signatus: 2♀♀. Pimpla very small ♂, [illegible]

Th

Sigalphus caudatus ♀ taken [illegible]!

Pentapleura pumilio 2♀♀. Aspilota [illegible] 1♀

Aphidius ♂   [illegible] 1♀ very small.

[Meteorus   ♂ taken in garden at Bundoran, E.D. 1♂.]

13.8.32. Castlegal wood, Co. SL, see next page →

13.8.32. afternoon. 3.30 till 5-30. Coast at N. end of Bunduff Strand, Co. SL. Some labelled "13.9.32" in mistake! A.W.S. 1938. [illegible]

Braconids & ichs collected either on surface of large pool above ord. high water mark, or on carrot or thrift on cliffs behind same, just N. of rock bluff at N. end of strand.

Sigalphus caudatus 2♀♀. Pentapleura pumilio 1♂, 3♀♀. Aspilota [illegible]: 1♀.

Opius? 1♀. Coelinius small ♂. Promethes sulcator 1♂

Stenomacrus very small ♀ with exserted terebra. Homocidus [illegible]? 1 black ♂.

Cratocryptus? 2♂♂, 1♀. Pezomachus fasciatus 1♀;

Hemiteles 2♀♀.

Ichneumon small ♂. Small ♂, [illegible], testaceous, [illegible]

13.8.32 cont. Bundoff cont. [Co. SL.]

13.8.32 aft. 3.0 till 3.30 pm.
Plantation at Castlegal, Co. Sl. as on 11.8.32.
Crabro styrius on oak, 2♂♂ & 2♀♀, very fresh.

Labelled Castlegal Bundoff Co. Sl. AWS 13.8.32

Homocidus ~~[illegible]~~ flavolineatus, (AWS. 20.3.33) 2♂♂ on same birch as on 11.8.32.
♂ & ♀ Cryptids with slender petiole to abdomen & pink apex taken separately on oak with Crabro.
= Leptocryptus aereus, ♂ Grav.

14th August 1932 Dull morning, very damp, but only slight rain, afternoon fine but no sun till 5.0 PM.
11.30 – 1.0 PM. Collected in alder scrub, etc. at SW end of Bundoff Lough, Co. Sl. Some small species taken on Angelica only by sweeping.
Bombus lucorum, lapidarius, muscorum & agrorum ♀♀ & ♂♂?
[illegible]
Pachynematus diaphanus ✓R.C.L.P. ♂♀, swept.
Ichneumon lituratus? 1♂. Melanichneumon [illegible]? 1♀ & [illegible]

14/8/32 mor. cont. Bundoff L. cont.
G. ceratites ♀.
Glypta [illegible] 2♀♀. G. nigrotrochanterata, large ♀.
P. examinator 2♀♀ & 3♂♂ of the "black" form.
Pimpla brassicariae ♀♀ & 5♂♂. P. examinator 1♂.

Homocidus pallipes 1♂.♂

Mesoleius.

Promethes sulcator 1♂, 1♀. P. pulchellus 2♂♂, 1♀. Exochus

Tryphon elongator ♀. Stenomacrus [illegible]

[illegible] sp. ? cf. [illegible] (AWS [illegible]) 3♂♂.
Mesochorus [illegible] 1♂. Aperileptus ♂
Tryphon [illegible] ♂? Bassus [illegible] ♀.
Bassus [illegible] ♂, [illegible] ♀ AWS 1954.

14.8.32 cont. Afternoon 3.0 till 5.30 PM. Drove via Ballintra to coast at Drumchony, Co. ED. & collected on edge of marsh behind dunes; amongst Coltsfoot, Bog Myrtle & Salix spp. Some small species taken on Angelica only by sweeping.
Bombus lucorum, lapidarius, muscorum & agrorum ♀♀ & ♂♂
Psithyrus distinctus 1♂ seen
Vespa rufa abundant on the Salix. V. vulgaris 1♀ seen.
Athalia & Tenthredo spp. seen.

14/8/32 cont. Coast at Dunaboy, F.D. cont.

Ichneumon sp. [illegible] sp. [illegible] 1♀.

[illegible] 2 smaller spp. [illegible]

Pimpla brevicornis? ♂♂ & ♀♀. P. turionellae ♀. Bassus [illegible]

Homocidus pulcher 1♀. Promethes laticarpus 1 dark ♂. P. cognatus 1♂, 1♀.

Bassus varicoxa 1♂.

Exochus [illegible] 1♂.

[illegible] (Perispudus) sulphurata 1.

Diaparsis? ♀ [illegible]

[illegible] ? ♀ [illegible] medeata

Bracon fulvipes ?8♂♂ 4♀♀; common on edge of marsh behind dunes & amongst Salix [illegible]

[illegible] 1♂ ♀. Bracon epitriptus 1♀.

[illegible] variegatus? 1♀. Blacus sp.? of [illegible] without tubercles on propodeum.

Aphaereta 2 spp. Diospilus capito? 2 large ♂♂.

Rhogas irregularis ♀.

15th August 1932. Very warm, misty & dull; only occasional glimpses of sun. In morning drove to N. end of Bunduff Strand, Co. SL., where collected along cliff top & in fallow field behind full of carrot, &: (turnips & potatoes at inland end of same). Very many hymenoptera out. In late afternoon drove to head of Glenade Lough, Co. LE, where collected for an hour.

11.30 till 1.0 P.M. Coast & fields at N. end of Bunduff Strand Co. SL.

Aspilota distracta? 2♀♀. Centistes fuscipes? ♂ & ♀.

Bracon stabilis ♀. B. sp. near anthracinus, with long [illegible] & 26 & 29 [illegible] 2♀♀

B. praetermissus? ♀. B. fuscipes 1♂. Microplitis

Ichneumon 2 small ♀♀.

[illegible] ♀.

Stylocryptus ♀ & another ♀ [illegible] same.

Atractodes tenebricosus? ♂. Hemiteles? ♂.

Limneria [illegible] 1♂. Pimpla brevicornis? 2♂♂.

Promethes cognatus 2♂♂. Homocidus pulcher 1♂, dark var.

Tryphon 2 spp. Small black, curious, [illegible]?

Metopius micratorius ♀. [illegible] & Tryphonid.

Bunduff strand, Co. SL., cont. 15.8.32 morning cont.

Salius notatulus 1♀ on carrot in fields above cliff.

Pompilus gibbus ♀.

Chrysis ignita 1

Pteronidea myosotidis ♀ small ♂

Ametastegia glabrata 1♂.

[1 small Psithyrus, on window in house, Bundoran, Co. DL. 15.8.32]

15/8/32 afternoon. 4.30 till 5.30 P.M.

S. end of Glenade Lough, Co. LE., near outlet of lake!

Bombus lucorum & agrorum only seen.

Vespa rufa & vulgaris ♀♀. A rufa ♂ taken has only a small black dot on face instead of the usual "anchor" mark.

Salius exaltatus very large ♀.

Crabro chrysostomus 1♀ on Angelica. Athalia {cordata 1♀ / lineolata 1♂} ✓ 5/3/33.

Ichneumon [illegible] ♂ [illegible] gilvus ♂ [illegible] 1♀

Cryptid ♀, long terebra, on log. [illegible] ♀.

Glypta (cicatricosa?) teres? ♀. "terebra long" Campoplegidi 3 and ♀♀.

Promethes pulchellus 1♀ 1♂

Bracon fulvipes 1♀ Aphidius [illegible] 1♀ Microgaster 1♀

Proctotrupid 1

16th August 1932. Warm, dull & misty, with W. wind & a few glimpses of sun.

11.30 till 1.0. Fields above cliffs at N. end of Bunduff Strand, Co. SL., as before. Mostly on wild carrot flowers!

Bombus lucorum, hortorum ♀♀, muscorum, agrorum & derhamellus 1♂.

Psithyrus barbutellus. 1 faded ♂.

Mellinus arvensis ♂♂ & ♀.

Myrmica ruginodis & M. scabrinodis only ants seen.

Selandria serva 1♀ & two other spp. of sawflies on carrot.
{one = Pachynematus obductus ♀ – RCLP.
the other = " clitellatus? var. of ♀ or might possibly be a much marked ♀ of diaphanus. See RCLP's letter dated 27.1.33.

Tenthredo arcuata? ♀ taken!

♀ seems certainly L. sulphurifera (A.W.S. 9.3.33)

Lissonota basalis ♂ & ♀. L. bellator abundant.

Glypta bifoveolata? ♂ & ♀♀. possibly ♂s [illegible] ♀ [illegible] var. with long terebra

Pimpla brassicariae? 1♂. Pl. detrita 1♀.

Ichneumon 5♂ Alomyia debellator small red ♀.

Platylabus dimidiatus 1♂

Promethes pulchellus 1♂. ♂? Bassus [illegible] small ♀.

Bracon anthracinus var.? 1♀. Diospilus oleraceus? 1♀

Pentapleura pumilio 2♀♀ Macrocentrus marginator 1♂

Opius ? 1♀. Aphidius 1♀, very small

16th Aug. 1932 afternoon. Drove to L. Eske, N. of Donegal town & collected a few insects on shores at each side of outlet of lake: very few insects except Diptera.

W. side of outlet = 1; E. side = 2.

Bombus lucorum at 1 & 2, ♂♂ & ♀♀. B. agrorum ditto!

B. muscorum several ♀♀ at 2 on Calluna.

B. jonellus, fresh ♀ on Calluna at 2.

Psithyrus distinctus ♂♂ at 1 & 2.

Vespa rufa ♂ & sylvestris ♀ at 2

Halictus freygessneri 1♀ on Calluna at 2.

~~Pemphredon pumilus~~ ♀ = Selandria morio ✓RCLP. ♀ at 1. Tenthredo} sp. Athalia} seen at 1 lugens ♀

Proctotr. ♀ at 1 — NO!

Bracon sp. ♀ at 2.

2 Ichn. on Angelica at 1.

[Proctotrypid taken, rock pool surface, Bundoran, ED 16.8.32]

[Took ♀ Polyblastus mansuetor on window of house! ♀ in Bundoran, ED]

17th Aug. 1932. After a very wet night, warm, misty rain, mainly dull, some sun in forenoon; afternoon drier, cooler & quite dull.

11.30 till 1.0 PM. N. end of Bunduff Strand, Co. Sl. as before.

Bombus derhamellus ♀♀, & fresh ♀♀ seen in fields above cliffs, as well as 1♂.

Psithyrus campestris, fresh ♂ of dark var.

17.8.32 cont. Bunduff, Sl., cont. Tenthredo [illegible] ♀.

Mellinus arvensis ♂♂ & ♀♀ abundant on sea slope of dunes on coltsfoot.

Stylocryptus [illegible]

Melanichneumon [illegible]

Bassus varicornis? several ♂♂ on coltsfoot leaves on sea slope.

Homocidus obscuripes. 1♂. [illegible] 1♂.

Pimpla brassicariae 1♂. Phytodietus [illegible] ♀.

M. [illegible]

Aptesis [illegible] 1♂.

Proctotrupid ♀ with dark wings.

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17. 8. 32 afternoon. Streedagh Point & dunes, Co. Sl.

Bombus lucorum ♂♂ & ♀♀, the only species of humble seen.

Psithyrus ~~distinctus~~ barbutellus? AWS. 11/1/33, fresh ♂.

Mellinus arvensis common in dunes.

Pompilus gibbus 1♀. P. plumbeus ♂ seen, ♀ taken in dunes.

Lissonota ♀ on thistle by road.

Myrmica ruginodis nests very common.

[Took small Halictus [illegible] above cliffs & also in dunes.]

Collected some beetles by shaking seaweed & under stones in dunes; also three very small hymenoptera shaken out of seaweed on shore.

= ? 3 ♂♂ of [illegible] Walker (= Kieffer!): see Walker Ent. Mag. 1835, II, 117; also Morley in Entomologist, 1932, p. 133.

[Took Proctotrypid on surface of rock pool at Bundoran, ED.]

see note under date 16.8.32

18th August 1932. Warm, dull, fine, after rain in night. No real sun all day!

Coast N. of Bunduff Strand, Co. Sl., as before. Collected some ichs, &c; on covert &c in fields above cliffs & then walk along coast for half a mile to gully filled with boulders, where took nine (7♂♂, 1♀ ~~all ♂♂~~) ichs, resembling a *Hemiteles*, with red central segments to abdomen: at same place were myriads of a minute brachypterous ~~Proctotrypid~~ Cynipid.

Cynipids (? Rhodinoptera [illegible] Walker) ♂ & ♀ in cop. on stones (see p. 201 [illegible]).

Cryptid close allied to [illegible] 7♂♂, 1♀.

Stilpnus gagates? 1♂. Exolytus [illegible] 2♂♂.

3 ♂♂ Hemiteles? 1♂, 2♀♀ (2 or 3 spp.)

Lissonota bellator 1♂, 2♀♀ taken. L. basalis 1♀ taken. L. sulphurifera 1♀ taken.

Glypta mensurator 1♀ taken. Pimpla brassicariae? 1♀ taken.

Promethes ~~sulcator~~ cognatus 2♂♂. ~~P. pulchellus 1♀~~. Bassus varicoxa 1♂?

Tryphon elongator 1♂ taken. Mesoleiid? 1

Bassus [illegible] 1♀.

Pachynematus diaphanus 1♂ – ✓ RCLP. P. obductus 2♀♀ – ✓ RCLP.

18/8/32 afternoon. 3.0 till 5.30 PM.

S. edge of plantation (alder, Salix spp., birch, &c) on sand flat behind Trawalua dunes, below Cliffony, Co. Sl.

Bombus lucorum, including 1 young queen; B. jonellus; worn ♂ seen.

B. lapidarius, derhamellus ♂, agrorum & muscorum fresh ♀.

Mellinus arvensis in plantation & on dunes.

Crabro palmipes ♂ & ♀♀ on alder leaves.

Pompilus gibbus ♀♀ in dunes.

Ceropales maculatus 1♂ on Angelica outside plantation.

Myrmica ruginodis & Formica fusca on alder, &c.

Tenthredo & Athalia spp. seen.

Phyllotoma vagans 2♀♀ (✓ RCLP.) on alder. ?♀♀

Pimpla brevicornis ♀♀. P. examinator ♂.

Lissonota bellator abundant. Phytodietus [illegible] ♂?

Glypta nigrotrochanterata? ♀♀ on angelica. G. mensurator 1♀ taken.

Lampronota ♂ & ♀, latter on Salix.

Perilissus? small sp. with yellow head on alder?

Promethes cognatus 2♂♂. P. pulchellus, 1♀. Bassus dorsalis? 1♂ on alder.

Mesoleius [illegible] red scutellum

Ctenicerus? sp. ? on alder.

P.T.O.

18.8.32 afternoon cont. Trawalua, Co. SL. cont.

[illegible]

Stilpnus [illegible] [illegible] [illegible]

Heterogamus dispar 1♀.

Macrocentrus marginator ♂ & ♀ (examined) on Angelica.

See also note under 13/8/32. A.W.S. 21.4.1938.

19th August 1932. A very fine day, mostly sunny, N.W. breeze, very warm in shelter. [? Some labelled "18.9.32" by mistake: see below! AWS]

11.30 till 1.0 PM. Field behind dunes, at N. end of Bunduff Strand, Co. SL. Most taken by sweeping wet ditch full of Equisetum, Hippuris &c.

Pompilus gibbus ♀ seen on dunes. Tenthredo arcuata ♂♀ taken.

[illegible]

A specimen of B. elegantulus from Bunduff St. was found in 1938 labelled 18.9.32, which no doubt should have been labelled 19.8.32 & has been changed to this date. AWS

Microgaster ♀. Blacus [illegible] ♀. Coelinius elegans ♀ [illegible]

[illegible] 2♀♀.

19.8.32 Bunduff, SL. cont.

Ichneumon ♀. Exetastes guttatorius 1♀. [illegible]

Pimpla brevicornis 2♀♀. P. [illegible] 1♀ [illegible]

Bassus [illegible] 2♂♂ (?), 1♀. Promethes sulcator 1♀. [illegible] ♀

Hemiteles [illegible] (? [illegible]) [illegible]

19.8.1932 afternoon. 3.30 till 5.30 PM.

Drove through Kinlough & along S. side of L. Melvin to Rossinver (at head of Lough); collected in glen about a mile E. of Buckode school (= 1) & again in swampy ground about ½ mile S.W. of "border" between N. Ireland & I. F. State where old disused road runs over hill (= 2). All Co. LE.

Bombus lucorum, hortorum, agrorum & muscorum seen.

B. jonellus 1☿ almost certainly seen on Calluna at 2.

Vespa rufa & vulgaris ☿☿ at Calluna &c at 2.

Mellinus arvensis at 2.

Crabro tibialis 1♂ at 1.

[illegible]

Aphidius 1♂. A. (cf brevicornis) 1♀. [illegible] 1♀.

Alysiid ♀, reddish [illegible] at 2 = ? Alysia [illegible]

[illegible] 2♀♀, [illegible] [illegible] at 2

Alysia tipulae? 1♂

[illegible] 2♀♀, [illegible] at 1, [illegible]

P.T.O.

19.8.32 cont. L. Melvin district cont., Co. LE.

Homocidus pallipes, 1♂ (on Alder at 2.)   Promethes cognatus, 1♂.
H. biguttatus, 1 small ♀.

[illegible]

[illegible]

[illegible]

Pezomachus [illegible] ♀

[illegible] 1♀. [illegible]   1♂. Tryphon elongator ♀

20th August 1932. A cold day, no sun till 7.0 PM. with very strong N. wind all day.
Drove via Donegal to Barnesmore Gap & on to small plantation beyond L. Mourne, about 5 miles So labelled! S. of Ballybofey, Co. ED. ~~[illegible]~~ Here collected during lunch or saw
Bombus agrorum & lucorum; also ? one ♂ hortorum or jonellus
Athalia lineolata 1♂ (v 5/3/33).

[illegible] ♀

Promethes pulchellus? 1 very large ♀.

[illegible]

Myrmica ruginodis.

20.8.32 evening, 7.0 - 8.0 PM.
Coast just N. of Bundoran, Co. ED
Taken at or just above high tide mark.
Brachyptera Proctotrupids + Cynipids. } : Platymischus dilatatus & Nedinoptera subaptera!

[illegible]

21st August 1932. Cold, strong NE wind, rain till 2.0 PM., then dull.
In afternoon walked to Tullaghan & back. Took one beetle under sea-weed on coast at Bundoran, ED.
Also Meteorus ♀ on Veronica bush at Bundoran, ED.

22nd August 1932. Very stormy, warmer, sunny in morning, quite dull in afternoon, except for a few moments.
11.30 till 1.0 PM. Oak~~woods~~ marshes &c, on rocky ridge S. of Belty Mt., in townland of Knather, between Ballyshannon & Belleek, Co. ED. (N. of Laputa House!). Very good ground, but collecting poor owing to high wind. Labelled Knather, Co. ED. A.W.S. 22.8.32.
Bombus lucorum, hortorum 1♂, muscorum & agrorum
Psithyrus distinctus ♂.
Crabro chrysostomus ♀♀ on Angelica.

226.

— Knather!

22.8.32 cont. Oakwood, S. of Bely Mt., Co. ED.

Athalia, & Tenthredo spp. seen.
cordata 1♂ (√. 5/3/33.)

Lissonota bellator abundant: 2♀♀ taken L. cylindrator 1 ♀.
~~Cryptopimpla~~ Lissonota ..? [illegible] ♀ [illegible]
Dyspetes praerogator ♂. Mesoleius [illegible]
[illegible] 1♂ [illegible]

Ichneumon ♂

Phaeogenes [illegible] ♀♀

Bracon [illegible] ♀ [illegible] ♀
Proctotrupes ♂ & ♀ in cop. on Rhododendron leaf.

22.8.32 afternoon 3 PM.
Plantation at Castlegal, Co. SL. (for ten minutes!)
Cratro styrium 1 on same oak as before.
Leptocryptus aereus 1♀ " "
Eubadizon extensor 1 large ♂, & 1 small ♀ " "

227.

22.8.32 afternoon, cont. 3.30 till 6.0 PM.
Bunduff, fields &c., at N. end of strand, as before, Co. SL.
Most taken by sweeping vegetation in drain in nearby field, as on 19.8.32.
Pteronidea myosotidis ♀ √ RCLP. Pachynematus clitellatus 1♀ √ RCLP.
Campoplex

[illegible]
Hemiteles attractoides ♀ 2 [illegible] ♂♂ ([illegible])

Lissonota bellator [illegible] [illegible] 1♂.
Bassus [illegible] 1♂ Promethes cognatus 2♂♂. P. pulchellus 1♀.
Homocidus bizonarius 1♂ (√ AWS. 23.3.33). H. obscuripes 1♂.
Mesochorus small sp. 1. Mesochorus 1♂ large sp. [illegible]
Diaparsus ? 2♂♂.

[illegible] ♀ [illegible]
[illegible] = P. rufipes : 5♂♂.
Clinocentrus gracilipes Thom. ? AWS. 9.5.1934. ~~cunctator~~ 1♂, 1♀. Sigalphus caudatus 1♂.
Aspilota — 1♀. Aphidius 2 spp. — 2♂♂.

23rd August 1932. A perfect day: all sunny, with cool E. breeze.

Drove up west side of Gleniff, Co. Sh, & ascended cliffs of Annacoona from the school. Took some ichs in marsh, at 750 ft. near school (=1); four or five on Angelica at base of main cliffs (nearly 1500 ft.?) (=2). In afternoon drove down E. side of glen & collected along stream flowing through small valley with willow scrub at about 600 ft. alt. (=3). Spent most of the day looking for plants & most of those recorded seen, but not Saxifraga nivalis. Saw one fresh Peacock Butterfly at 3, the first seen this autumn.

Bombus agrorum & lucorum only bumbles seen: at 1 & 3

Andrena gwynana 1♀ (2nd brood) on Rubus flowers at 3.

Green, velvety, sawfly larvae swept (off rushes?) on shelf above lower cliff at 1, but not kept.

Zootrephes inspiratrix common at 1.

Orthocentrus ♂ on Angelica at 2

Promethes laticarpus 1 tiny ♂ at 1. P. sulcator 1♂ at 1. Homocidus 2 ♂♂ at 1.

Homocidus 1♂ at 3

Pimpla inquisitor? 1♀ at 3.

About 20 other spec. at 1 & 3.

23.8.32 cont. Gleniff, Co. Sh. cont.

Apanteles 2 on Angelica at 2.

Chaenusa conjungens ? 2. [illegible]

Proctotrupids at 3.

24th August 1932. A dull, warm day. Spent morning at Bundoff Strand Co. Sh, but did not collect much. A couple of Braconids also taken on hotel window in Bundoran, ED.

11.0 AM. In house Bundoran, Co. ED.

Meteorus ♂ Aspilota fuscicornis 1♀. Alysiidae ♀.

Cynipid ♂♂ Macrocentrus infirmus ♂

11.30 till 1.0 PM. Most taken on surface of pool on shore.

Aspilota ruficornis 1♀. Macrocentrus infirmus 1♂ {intermediate between this & thoracicus, [illegible]

Hemiteles

5 Proctotrupids.

230

24th Aug. 1932 Afternoon. Very warm & dull.
Drove via Donegal to Bruckless peninsula, near Killybegs, Co. WD. Collected on hillside behind Benroe Cottage, facing Killybegs Harbour (=1) & in scrub on eastern slope of Carn More, near Bruckless station, there very interesting ground, at 6-30 till 7.0 PM. (=2).
Bombus lucorum, hortorum 1 seen, agrorum & muscorum all seen on heather at 1.
Halictus freygessneri, ♂ swept in rushy field at 2.
Prisphorus "brullei Enslin"? ✓ RCLP. (See letter of 27.1.33!), ♀ at 1.
Pimpla brevicornis? 1♂ 2♀. P. inquisitor? 2♀♀. Lissonota bellator ♂. Glypta elongata, small ♂.
Stilpnus [illegible] ? at 1. [illegible] ♂.

Homocidus pallipes 1♂. Promethes cognatus 1♀.
Cryptinae, Ich. [illegible] with red abd.
Pezomachus [illegible] 1♀.

Ebrinus? conjungens ♀ at 2, swept off [illegible], [illegible]
3 large Braconids, with long antennae, two of which swept in rushy field at 2.
Microcryptus? [illegible]? ♂ swept in field at 1(?)
[illegible] 1♂ at 2(?). Bistorea [illegible].

(231.

25th August 1932. A fine morning, but dull in afternoon, warm, with chilly E. breeze in places.
Drove to Lough Gill, Cos. Sl. & LE.
Collected at upper end of lake in Sriff Woods, Co. LE. 12 noon till 2.30 PM. & in woods west of Dooney Rock, Co. Sl., from 3.30 till 5.0 PM.

17 specimens, from Sriff Wd. erroneously labelled Co. Sl. instead of Co. LE. AWS. 19.1.33.

Noon till 2.30 PM. Wood & lake shore N. of Sriff Cottage, LE.
Bombus agrorum, lucorum & hortorum 1♂ seen, with many fresh Peacock butterflies on scabious in clearing.
Halictus ? sp.? ♀ seen on Eupatorium cannabinum in wood.
Vespa vulgaris ♀♀ seen
Athalia sp. seen. Strongylogaster delicatulus ♀.
[Phytodietus (- see next page) ♀, none seen when labelling! AWS. 9.3.33]
Ichneumon gradarius ?? dark ♂.
Hemiteles [illegible]
Cratichneumon [illegible]
Dyspetes praerogator ♂ [illegible]

Most ichs & Braconids & Proctotrypids taken on hazel, but several swept off watercress!

Promethes scutellaris 1♂, 2♀♀. P. cognatus 1♂. P. laticarpus ?? 1 small dark ♂.
Ctenochira ♀ Plectiscus spp. 1♂ 1♀.
Campoplegidae.
Rhyssalus indagator? 1♂. Clinocentrus [illegible] 1♀.
Dacnusa ♀ with 37-jointed antennae. [illegible] ? large ♀.
Aspilota [illegible] 1♂ [illegible] ♀?
12 Proctos & 1 Chalcid.

25.8.32 afternoon. Woods W. of Doonee Rock, L. Gill, Co. SL.
3.30-5.30 PM, dull! Very good ground!

Bombus lucorum, agrorum, hortorum, & muscorum

Psithyrus distinctus ♂. [also one which might have been barbutellus ♂]

Vespa vulgaris ☿☿.

Pimpla arguta? ♀♀. Glypta resinanae? 1♀. Phytodietus gemulator? ♂ (large)

Lampronota 1♂

Exochus 3 ♂♂, 2 ♀♀

Alexeter sectator (or [illegible]) 1♂? [illegible]

Dicranura ♂

[illegible]

[illegible]

26th August 1932. A glorious morning, but dull after 2 o'clock & wet in evening. Spent morning clearing off arrears!
1.0 till 1.15 PM. Quarry near Fairy Bridges, above S. end of Tullan strand, Bundoran, Co. ED. Taken on leaves of Coltsfoot, thistles or flowers of Wild Carrot.

Pimpla inquisitor 1♀: accidentally broken & not kept. P. brevicornis 1♀.

Acanthocryptus quadrispinosus 1♂. Homocidus elegans? 1♀.

Microgaster 1♂ + 1♀. Diospilus oleraceus ♀

Proctotrupes 1♀

Chalcid

26.8.32 cont.
3.0 PM. Spent a few minutes in plantation near Castlegal, Co. SL.; but too dull for Crabro styrius & none seen. Braconids & ichn. swept off same oak as before.

Blacus humilis? 3♂♂. Rhogas circumscriptus? 1

Eubadizon extensor ♂ & ♀.

Proctotrupes [illegible]

Homocidus [illegible] ♂ Plectiscus? 1♂.

Hemiteles [illegible]

Stilpnus gagates? 1♂.

Also sawfly: = Pristiphora pallidiventris var. denudata Kon. ♀ – ✓ RCLP.

26.8.32 afternoon. 3.30 till 5.45. Dull, windy, warm!
S. edge of plantation behind Trawalua strand, below Cliffony, Co. SL. as before (on 18.8.32!).

Bombi, Vespa vulgaris, Mellinus & Crabro palmipes as before.

Fenusa dohrnii 1♀ on alder ✓ RCLP. Pachynematus obductus ♀ ✓ RCLP.

Phyllotoma vagans ♀ on alder (✓ A.W.S.). [illegible]

Pteronidea oligospila ♀ var. (✓ RCLP) on Salix

Pimpla brevicornis ♀♀ abundant. Lissonota variabilis? ♀.

P. nigricans? large ♀ on Salix. Phytodietus

Lampronota 3 ♂♂. Cratichneumon? 1♂. P.T.O.

Mesoleius 4 ♀♀ ([illegible])

Diaborus ♂.

26.8.32 aft. cont. – Trawallua Plantation, Cliffony, Sl.

Pezomachus 1♀.

Exochus 1

Promethes cognatus 4♂♂. P. laticarpus 1♂. P. pulchellus 1♂.

Amblyteles ♂ Rotolus? ♀?

Bracon indicator? 2 ♀♀ [illegible] for [illegible] ♀: this
found by [illegible] 3♀ [illegible] antennae.

Rhyssa [illegible] 1♀. Blacus [illegible] 2♂♂

Microgaster 3 ♂♂ & 7 ♀♀.

[illegible]

27th August 1932. A fine day, with strong W. wind; &
except from noon till 2 PM. all sunny. Woods, marshes &c, on S. slope of Belmore Mt.,[in townlands of Knather, &] between
Ballyharnon & Belleek, Co. F'd, as on 22/8/32. This place
I was told by a man making hay was in the T.Ds. of
"Knather", "The Mullans" & a third I could not ~~catch~~.

noon till 5.0 PM.

Bombus lucorum, agrorum, muscorum & lapidarius seen.

Mellinus arvensis, a few seen.

Vespa vulgaris a few ♀,☿ seen.

Labelled

Knather,
Co. F'd. AWS.
27.8.32.

27.8.32 cont. Woods &c, S. of Belmore Mt, Co. F'd. cont.

Crabro varius 1♂ on hazel.

Pompilus black ♀, almost certainly nigerrimus, on upturned stump
of tree: escaped from under handkerchief.

Athalia cordata 1♀ (v 5/3/33) Selandria morio ♀ ✓RCLP. on oak.

Amblyteles castanopyga 1♂. & yellow ♂ & A. [illegible]? ♂

[illegible]? ♂ Ichneumon spp. 3♂♂, 3♀♀, [illegible] spp.

[illegible] spp.?

Schizoloma capitata? 1♀. Campoplex small ♀.

Very small black Campoplegid ♀ taken at [illegible]

Pezomachus [illegible] ♀.

Promethes sulcator 1♂. P. pulchellus 1♂. Exochus

[illegible] 1♂ Mesoleius [illegible] spp. ♂

Lissonota bellator 1♂ Pimpla [illegible] 1♂

Phaeogenes ♀

Red Meteorus ♀ very large on hazel. Microgaster ♀

[illegible] ♂ [illegible]. Phaeogenes [illegible] ♀

28th August 1932. A fine day, but dull till 4.0 PM.

11.30 till 1.0 PM. "Pollagarry", a small rock bound bay on W. coast between Mullaghmore & Trawalua, Co. SL. Took some (nine) small Proctotrupids &c, under decaying seaweed at high-tide mark amongst boulders. = 1. Also 1♂ aphidiid & 1 Chalcid floating on surface of a rock pool. Also 1♀ ich, cf. Hemiteles. On return journey stopped at fork of roads just W of Bundoff Lough to collect sawfly larvae on Salix pentandra & on this took two ichs :—

{5♂♂ 6♀♀, all with pale parts vivid green in life, emerged from 23rd April (1♂) till 11th June (2♀♀): these are Pteronidea [illegible] + Benson, near [illegible]}

Platymischus dilatatus ♂♂ & 6♀♀ on shore at 1. Also Cynipid [illegible] ♂ ♀

Black elongate Chalcid   Small Chalcid   Aphidius   1♂ [illegible] 1

Hemiteles ♀ at 1   Diadromus   at 2. Phygadeuon   at 2

[Meteorus ♀ in house at Bundoran, Co. ED]

28.8.32 afternoon. 3.30 till 5.30 PM.

Shore of L. Melvin at Rossinver, Co. LE. & field &c. E. of road.

Bombus lucorum, agrorum, muscorum & hortorum 1♀ seen.

Vespa vulgaris ♀♀.

Oedematopsis scabricula ♀ on Alder.   Lissonota bellator 1♂

[illegible]   1♂ Atractodes [illegible], also 2 [illegible] spp?

[illegible]

28.8.32 aft. cont.   L. Melvin, Co. LE cont.

Pezomachus   ♀, abnormal, on alder. [illegible]

[illegible] ♂   Mesoleius   1♂   [illegible]

Promethes laticarpus, 1♂. ?.

Diadromus   1♂   Platylabus   ♀   [illegible] ♂

[illegible] 1♂♂

Eupalamus extensor ♂ & ♀

Phaeocarpa conspurcator 1♀   [illegible] 1♂

Dacnusa [illegible], 1♀   Opius rufipes 1♀

[illegible]

29th August 1932. A fine morning, dull & warm during mid day, wet misty rain later.

12 noon till 2.0 PM. Glencar (upper end), Co LE. Unless stated, all collected by side "glen" at E. end of the "Swiss Valley" slip, near waterfall : a few only taken by stream below waterfall.

[illegible]   ♀ on [illegible] below waterfall, near road.

[illegible]   below waterfall.

Lagynodes pallidus = [illegible]   "[illegible]" [illegible] below fall

Chalcid, very metallic   on [illegible] below waterfall, near road.

P.T.O.

29. 8. 32. cont. Glencar, Co. LE. cont.

Bombus agrorum & lucorum only seen.

Vespa vulgaris ♀♀.

[illegible] in [illegible] ♂♂ on [illegible] at [illegible] Valley

[illegible] 1♂ [illegible] 1♂

[illegible] 1♂ Dyspetes praerogator 1♂. Promethes cognatus, 1♂, 1♀?

Pimpla turionellae 1♂. [illegible] — ♂ with "ringgebuckelt" [illegible] femora.

Bracon [illegible] 1♀ Rhogas circumscriptus? 2♂ [illegible]

Dacnusa areolaris 1♀ & lepida 1♂, certainly this species or affinis?

Aphidius 1♂.

29.8.32 afternoon

30th August 1932. A dull day, with thick misty rain after a glorious morning. Drove home to Dublin from Bundoran. Stopped on roadside between Carrick-on-Shannon & Jamestown, Co. LE, for lunch & here swept a few species of ichn & braconids off sheltered side of Sycamore in hedge. Collected nowhere else on journey.

Dacnusa areolaris abundant.

[illegible] 1♂. Promethes 1♂ Atractodes 1♂

Promethes 1 small dark ♂, with matt mesonotum, but elongate 1st segment as in cognatus: ? sp.

29.8.32 afternoon. Woods near Shriff Cottage, L. Gill, Co. LE. Dull: rain just commencing.

A few ichn & braconids taken, mostly on hazel bushes!

Plectiscus ? ♀

Promethes laticarpus ? 1♂.

END OF BUNDORAN TRIP!

NB. approximately 1300 insects taken during this trip! AWS. 24.1.33.

31st August 1932, afternoon, 3.0 till 5.0 PM.

Bright sunny day, cooler, strong W. wind; very few insects out. Enniskerry Glen, Co. WI.

Bombus agrorum & lucorum a few worn ♀♀ only seen

Psithyrus campestris 1 worn ♂ of v. rossiellus

Mellinus arvensis several ♀♀ seen.

Pompilus gibbus 1 ♀ on gravel flat.

Athalia sp. very common. Tryphon elongator & Dyspetes praerogator both commonly seen on Angelica.

Apanteles 1 ♀.

[illegible] ♂ & ♀

Pimpla [illegible] 1♂ Promethes pulchellus 1♂.

4th September 1932. A dull chilly & unpromising morning, with strong NW wind, gradually improving & the afternoon calmer, milder & sunnier.

Deputy's Pass, Co. Wi.

All insects taken on NE side near the "avenue" & the old garden, or by the river below.

Bombus agrorum (very thick ♂♂ taken!) & lucorum only seen.

Psithyrus distinctus faded ♂♂.

Halictus calceatus a few ♂♂ on ragweed.

Crabro styrius 1 tiny ♂ on hazel by the river where stumps & stepping stones provide a crossing.

C. palmipes a large & very red ♀ at same place.

C. vagus 1 ♀ near old garden.

Pompilus nigerrimus 1 ♀ on nettles at entrance.

Athalia lineolata 1 ♀ (✓ 5/3/33).

Pimpla instigator large ♀ at log in old garden.

P. mandibularis ? 1 ♀ at Spanish fir tree there.

P. [illegible]-maculata ♀ [illegible] 1 ♀.

[illegible] 1 ♂ [illegible] ? 1 ♀ almost black.

Hypomecus quadriannulatus 1 ♀ Phaeogenes [illegible] 2 ♀♀

[illegible] 1 ♀.

4.9.32 cont.: Deputy's Pass, Wi cont.:

Plectocryptus tarsatus ♂♂ examined & released.

[illegible] 2 ♀♀, very small. [illegible]

[illegible] G. [illegible] 2 [illegible] ♀

Stenomacrus ventralis ♀ ex. & rel. [illegible] [illegible]

examined & released

[illegible] 2 ♀♀ [illegible]

[illegible] ♀? [illegible] 1 ♂?

[illegible] Seaton 20/8/1928. [illegible] det. J.F. Perkins. 5.4.37.

Opius [illegible] 3 ♂♂, 3 ♀♀ Alloea contracta 1 ♂.

Aspilota distracta 1 ♀. A. fuscicornis common.

Dacnusa gilvipes 1 ♂. D. [illegible] ? 1 ♂.

[illegible] Hab. 288 [illegible]

5.9.32. J.B. Bruaker brought me a ♀ Pimpla turionellae caught in the brewery (Guinness), Dublin & believes that he has seen others similar.

7th ~~day~~ Sept. 1932. A dull afternoon, some misty rain, after a fine morning; only two sunbursts of a few minutes. 3.0 till 5.0 P.M. Oak wood, E. of upper lodge & road to Delgany, Bellevue, Co. Wi.

Most insects beaten from oak, but one or two taken with net & three or four taken in main estate near the alder swamp where on 23/8/1931 I took the Dipteron Oxycera fallenii (none seen this day!).

Bombus lapidarius 1 fresh ♀ reported by George!

B. agrorum frequent; one melanic ♂ taken.

[No other aculeates seen!]

[illegible] small ♀ [illegible]

[illegible]

Pimpla turionellae 2 small ♀♀ beaten out of oak.

Orthocentrus [illegible] 1♀. Stenomacrus ventralis ♀♀ beaten

[illegible]

Eubadizon extensor ♀

Opius Blacus [illegible] 1♀ (antennae broken!)

9th Sept. 1932. A female Dacnusa "stramineipes" taken in motor house, at 14 Clareville Rd. Rathgar, Du.

11th Sept. 1932. A wild day after a wet night, but mostly sunny & no rain; wind almost a gale, W-NW, with rapidly rising barometer. Insects scarce!

Deputy's Pass, Co. Wi. About a dozen specimens taken on S.W. side (=1); all others on NE side of pass & most near river & below old garden (=2)

Tipulid (Dipteron) Pedicia rivosa L. in marsh at foot of side glen at 2.

Only aculeates seen were Bombus lucorum & agrorum & Vespa vulgaris. Scolioneura betulae ♀ & [illegible]

Habrocryptus minatorius ♀ beaten out of the Spanish Fir! {another in same tree on 12/3/33!

[illegible] Dacnusa [illegible] see next page

Promethes sulcator ♂ & ♀ in swamp by river at 2.

P. pulchellus 1♂.

[illegible] Sept 1950. Paratype!

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Dacnusa gilvipes 2♂♂ in swamp at 2. D. areolaris ♀ on hazel at 2

D. [illegible] ♂ in swamp at 2, with gilvipes. [illegible]

11.9.32 cont. Deputy's Pass, Co. Wl cont.

[illegible] [illegible] 1♂♀ Cryptids & ♂, [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] ♀

[illegible] 2♀♀ [illegible] [illegible] the [illegible] & Chalcids

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14th Sept 1932. Evening

Garden at 14 Clareville Rd., Harold's Cross, Dublin.

Meteorus abdominator 1♀.

Dacnusa areolaris, small form, 1♂ with 26 joints ant.; 1♀ with 27 joints.

D. [illegible] Marshall (nec Hal.) 1♂, with 35 jointed antennae, clear yellow legs & [illegible] carinated [illegible] [illegible]

Stenomacrus very small ♀, with compressed abdomen

Several Proctos, Chalcids & Cynipids.

11.9.

14th